SERVICE MANUAL

19” LCD MONITOR

MM19T

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Revision List

Version	Date	Revision History	TPV Model Name
A00	Mar-15-06	Initial Release	T980KH2HDAUSAP

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1. Monitor Specifications

Items	Description	
LCD Panel	Driving system	TFT Color LCD
	Type	HSD190ME13
	Size	48.0cm(19.0")
	Pixel pitch	0.294mm (H) x 0.294mm (V)
	Viewable angle	160(H) 160(V)(CR>5)
	Response time	8 ms
Input	Sync. Type	H/V TTL
	Input Signal	15Pin Analog
		24Pin Digital
	H-Frequency	30kHz – 80kHz
	V-Frequency	55-75Hz
Power Consumption	ON Mode	<55W
	OFF Mode	<2W
Display Color	16.2M (6-bits+FRC)	
Contrast Ratio	700:1	
Dot Clock	135MHz	
White Luminance	300cd/m^2	
Max. Resolution	1280 x1024	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC,47~63Hz	
Maximum Screen Size	Horizontal : 376.32mm Vertical: 301.056mm	
Environmental Conditions	Operating Temp: 0°C to 35°C Storage Temp: -20°C to 60°C Operating Humidity: 45% to 85%	

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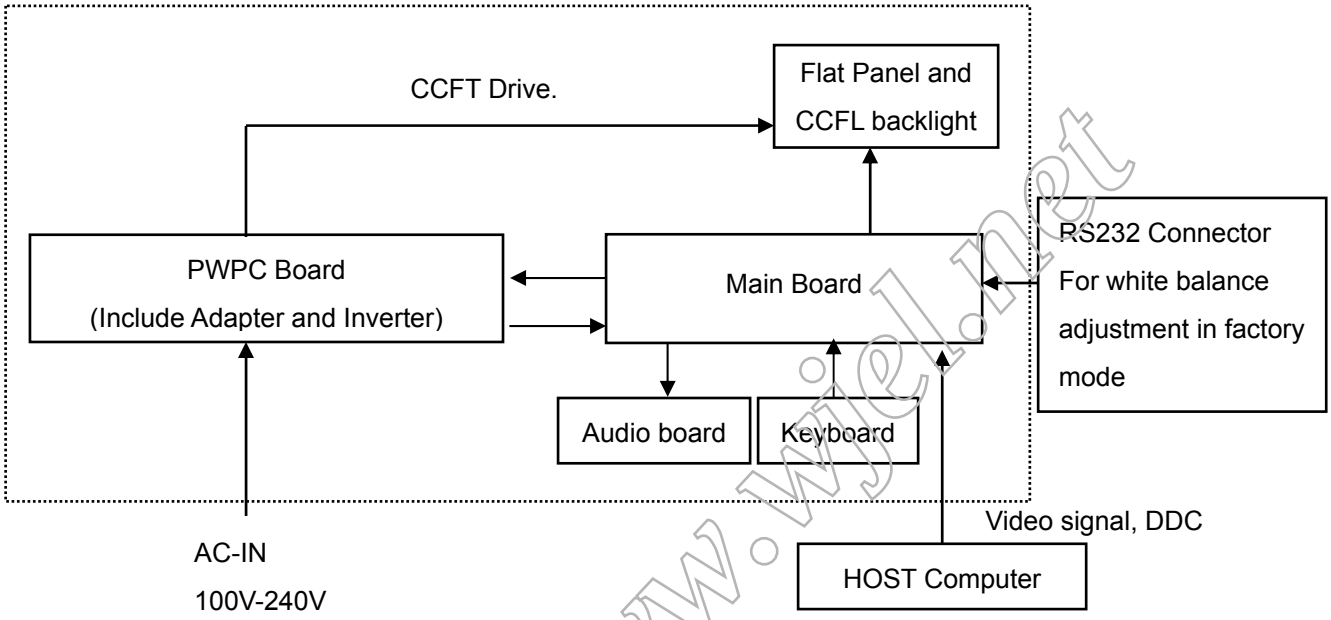
2. LCD Monitor Description

The LCD MONITOR will contain a main board, a power board, a keypad board and an audio board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



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3. Operating Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located in front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Front Panel Control

- **Power Button:**

  When pressed, the monitor enters the off mode, and the LED turns blank. Press again to restore normal status.

- **Left / Right Button:**

  The Left/Right Button is used to control the monitor functions. Press to switch functions or adjust settings.

- **Auto Adjust Key:**

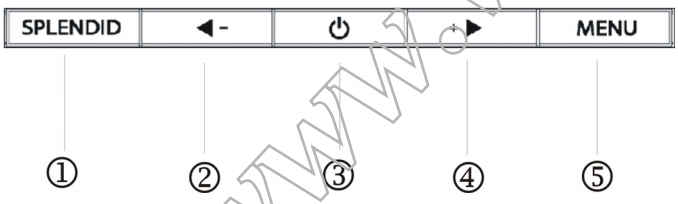
  The Auto Adjust Key is used to automatically set the H Position, V Position, Clock and Phase.

- **Power Indicator:**

  Blue — Power On mode.

  Amber — Power Saving mode.

  Dark —Power Off Mode.



NO.	Name	Within OSD	Without OSD
①	Splendid Button	Exit OSD or back to previous menu	1.Activate Scenario selection menu. 2. Automatically adjust the image to its optimized position, clock, and phase by pressing the button for 2 seconds.
②	**-** /◀ Button	Decrease the level of the function select or move to the previous function.	Activate Volume adjustment menu
③	Power Button	Switch the LCD monitor on or off. Blue: normal operation mode. Amber: power saving mode. Dark: power off mode	Switch the LCD monitor on or off. Blue: normal operation mode. Amber: power saving mode. Dark: power off mode
④	**+**/ ▶ Button	Increase the level of the function select or move to the next function.	Activate Brightness adjustment menu.
⑤	Menu Button	Enter/select the icon highlighted .	Activate the OSD main menu.

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3.3 Adjusting The Picture

Adjustment steps:

1. Press the MENU-button to activate the OSD window.
2. Press < or > to select the desired function.
3. Press the MENU-button to select the function that you want to adjust.
4. Press < or > to change the settings of the current function.
5. To exit and save, select the exit function, or leave the monitor alone for 10 seconds. If you want to adjust any other function, repeat steps 2-4.

OSD TABLE:

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description		
Scenario		Scenery Mode		Advance for scenery use with Splendid™ Video Enhancement		
		Text Mode		Advance for generic Windows use (Splendid™ Off)		
		Theater Mode		Advance for movie use with Splendid™ Video Enhancement		
		Game Mode		Advance for game use with Splendid™ Video Enhancement		
		Night Mode		Advance for dark-display use with Splendid™ Video Enhancement		
Color		RGB		R		Adjust red gain
				G		Adjust green gain
				B		Adjust blue gain
		Skin Tone		Reddish		Select yeddish skin stone
				Natural		Select natural skin stone

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				Yellowish		Select yellowish skin stone
		Color Temperature		Cool		The image appears bluer. (9300° K)
				Normal		Normal image color. (7500° K)
				Warm		The image appears redder. (6500° K)
Luminance		Brightness		Adjust the brightness level		
		Contrast		Adjust the contrast level		
OSD Setup		H-Position		Adjust the horizontal position of the OSD		
		V-Position		Adjust the vertical position of the OSD		
		OSD Timeout		Adjust the OSD timeout		
Image Setup		Focus		Phase		Adjust the image Phase to reduce Horizontal-line noise of the image
				Clock		Adjust the image Clock to reduce Vertical-line noise of the image
		Image Position		H-Position		Adjust the horizontal position of the image
				V-Position		Adjust the vertical position of the image
		Auto		Auto adjust the horizontal/vertical positions, phase and clock of the image		
Input Select		Select an input signal from analog/digital source				
Information		Show the resolution, H/V frequency and input port of current input timing				
Language		Select the language you like				
Reset		Recall factory setting				
Exit		Exit OSD				

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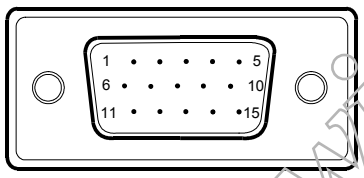
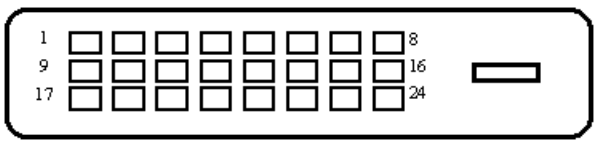
4. Input/Output Specification

4.1 Input Signal Connector

Analog Connector

Pin No.	Description	Pin No.	Description
1.	Red	**9.**	+5V
2.	Green	**10.**	Logic Ground
3.	Blue	**11.**	Monitor Ground
4.	Monitor Ground	**12.**	DDC-Serial Data
5.	DDC-Return	**13.**	H-Sync
6.	R-Ground	**14.**	V-Sync
7.	G-Ground	**15.**	DDC-Serial Clock
8.	B-Ground		
VGA connector layout			
			

Digital Connector

Pin	Meaning	Pin	Meaning	Pin	Meaning
1.	TMDS Data2-	9.	TMDS Data1-	17.	TMDS Data0-
2.	TMDS Data2+	10.	TMDS Data1+	18.	TMDS Data0+
3.	TMDS Data 2/4 Shield	11.	TMDS Data 1/3 Shield	19.	TMDS Data 0/5 Shield
4.	TMDS Data4-	12.	TMDS Data3-	20.	TMDS Data5-
5.	TMDS Data4+	13.	TMDS Data3+	21.	TMDS Data5+
6.	DDC Clock	14.	+5V Power	22.	TMDS Clock Shield
7.	DDC Data	15.	Ground(for+5V)	23.	TMDS Clock+
8.	N.C.	16.	Hot Plug Detect	24.	DDC TMDS Clock-
					

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4.2 Power Supply Requirement

A/C Line voltage range	: 100 V ~ 240 V
A/C Line frequency range	: 50 ± 3Hz, 60 ± 3Hz
Input Current	: 1.5A max at 100V; 0.8A max at 240 V
Peak surge current	: < 60A peak at 240 VAC and cold starting < 30A peak at 120VAC and cold starting
Leakage current	: < 3.5mA
Power line surge	: No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second

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4.3 Factory Preset Display Modes

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
	1024x768@72Hz	1304x798	57.7	P	72	P	78.4
SXGA	1152x864@75Hz	1600x900	67.5	P	75	P	108
	1280x1024@60Hz	1688x1066	63.981	P	60.020	P	108.000
	1280x1024@75Hz	1688x1066	79.976	P	75.025	P	135.000
	1280x960@60Hz	1800x1000	60	P	60	P	108
	1280x1024@70Hz		74.4	P	70	P	124.9
	1280x1024@72Hz		77.9	P	72	P	134.6
IBM MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
DOS*	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x350@70Hz	800 x 449	31.469	P	70.087	N	25.175
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
SVGA	832x624@75Hz	1152x667	49.725	N	74.551	N	57.2832

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4.4 Panel Specification

4.4.1 General Description

- 19”SXGA TFT LCD Panel
- 4 CCFLs Backlight System
- Supported SXGA (V:1024 lines, H:1280 pixels) Resolution
- Supported to 75Hz Refresh Rate
- LCD Timing Controller
- RoHS Compliance
- VESA Compatible

4.4.2 Display Characteristics

Item	Specification		Unit
Outline dimension	396*324 *17.5(Typ)		mm
Display area	376.32 (H) x301.056 (V) (19.0” diagonal)		mm
Number of Pixel	1280(H) x 1024(V)		Pixels
Pixel pitch	0.294(H) x 0.294(V)		mm
Pixel arrangement	RGB Vertical Stripe		
Display color	16.2M (6-bits+FRC)		
Display mode	Normally white		
Surface treatment	Antiglare, Hard-Coating(3H)		
Weight	2600g(Typ.)		g
Back-light	4-CCFLs, Top & bottom edge side		
Input signal	2-ch LVDS		
Power consumption	System	3.05	W
	B/L	20	
Optimum viewing direction	6 o’clock		

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4.4.3 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit	Note
Contrast		CR	$\Theta=0^o$ $\phi=0^o$ Normal viewing angle	450	700	--		(1)(2)
Response time	Rising	TR +TF		--	2	4	msec	(1)(3)
	Falling			--	6	8		
White luminance (center of screen)		Y_L		240	300	--	cd/m^2	(1)(4) (IL=7.5mA)
Color chromaticity (CIE1931)	Red	Rx		0.614	0.644	0.674		(1)(4)
		Ry		0.298	0.328	0.358		
	Green	Gx		0.260	0.290	0.320		
		Gy		0.584	0.614	0.644		
	Blue	Bx		0.112	0.142	0.172		
		By		0.049	0.079	0.109		
	White	Wx		0.280	0.310	0.340		
		Wy		0.300	0.330	0.360		
Viewing angle	Hor.	Θ_L	CR>10	65	75	--		
		Θ_R		65	75	--		
	Ver.	Θ_H		60	70	--		
		Θ_L		55	65	--		
Viewing angle	Hor.	Θ_L	CR>5	--	80	--		
		Θ_R		--	80	--		
	Ver.	Θ_H		--	80	--		
		Θ_L		--	80	--		
Brightness uniformity		B_{UNI}	$\Theta=0^o$ $\phi=0^o$	75	--	--	%	(6)

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4.4.4 Electrical Characteristics

1. TFT LCD Module

Item		Symbol	Min.	Typ.	Max.	Unit	Note
Voltage of power supply		V_{DD}	4.5	5.0	5.5	V	
Current of power supply	White	I_{DD0}	430	530	630	mA	(1)
	V-Color	I_{DD1}	510	610	710	mA	(1)
	Mosaic	I_{DD2}	660	760	860	mA	(1)
Vsync frequency		f_V	56	60	76	Hz	(2)
Hsync frequency		f_H	64	64	80	KHz	
Frequency		f_{DCLK}	50	54	67.5	MHz	
Input rush current		I_{RUSH}	--	--	3.0	A	(3)

2. Backlight Unit

Item	Symbol	Min.	Typ.	Max.	Unit	Note
Lamp current	IL	3.0	7.5	9.0	mA(rms)	(1)
Lamp voltage	VL	603	670	737	V(rms)	I_L=7.5mA
Frequency	fL	40	50	80	KHz	(2)
Operating Lifetime	Hr	50,000	--	--	Hour	6.5mA(3)
	Hr	40,000	--	50,000	Hour	7.5mA(3)
Startup voltage	Vs	1595	--	--	V(rms)	at 25°C
		1870				at 0°C

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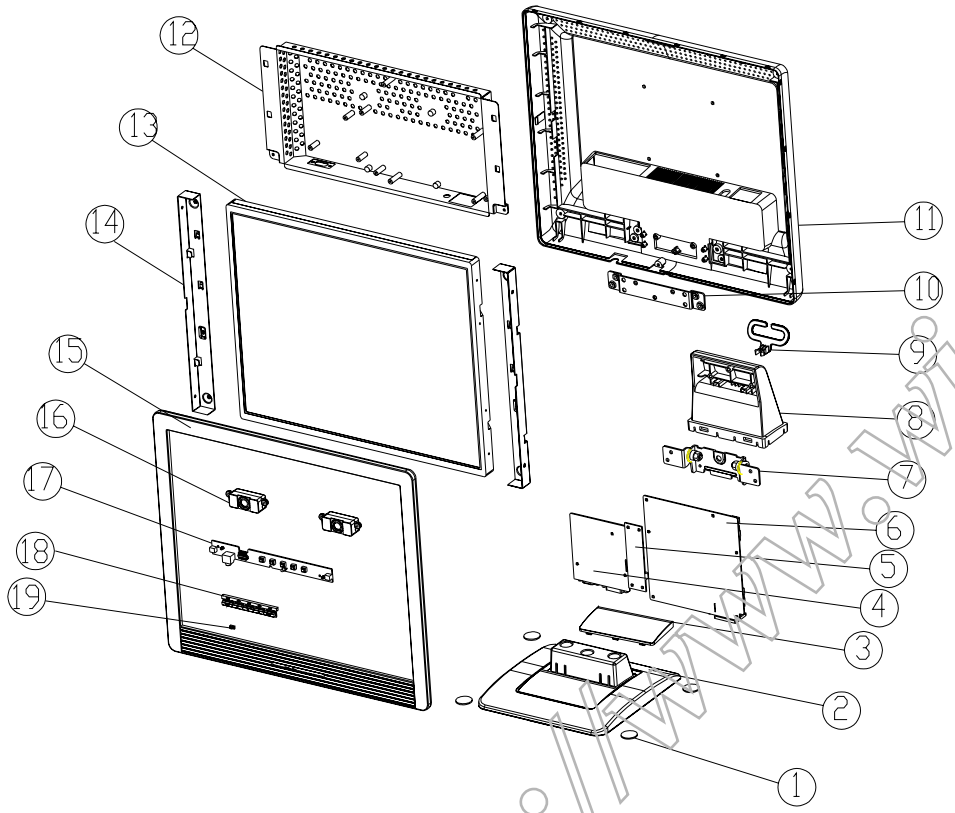
5. Block Diagram

5.1 Monitor Exploded View



ITEM	NAME	TYPE
1	RUBBER FOOT	PART
2	BASE DOWN	PART
3	BASE UP	PART
4	MAIN BOARD	ASSEMBLE
5	AUDIO BOARD	ASSEMBLE
6	POWER BOARD	ASSEMBLE
7	HINGE	PART
8	STAND	PART
9	CLAMP	PART
10	HINGE BKT	PART
11	REARCOVER	PART
12	SHIELDING	PART
13	PANEL	PART
14	PANEL BKT	PART
15	BEZEL	PART
16	SPEAKER	PART
17	KEY BOARD	ASSEMBLE
18	KEY PAD	PART
19	LENS	PART

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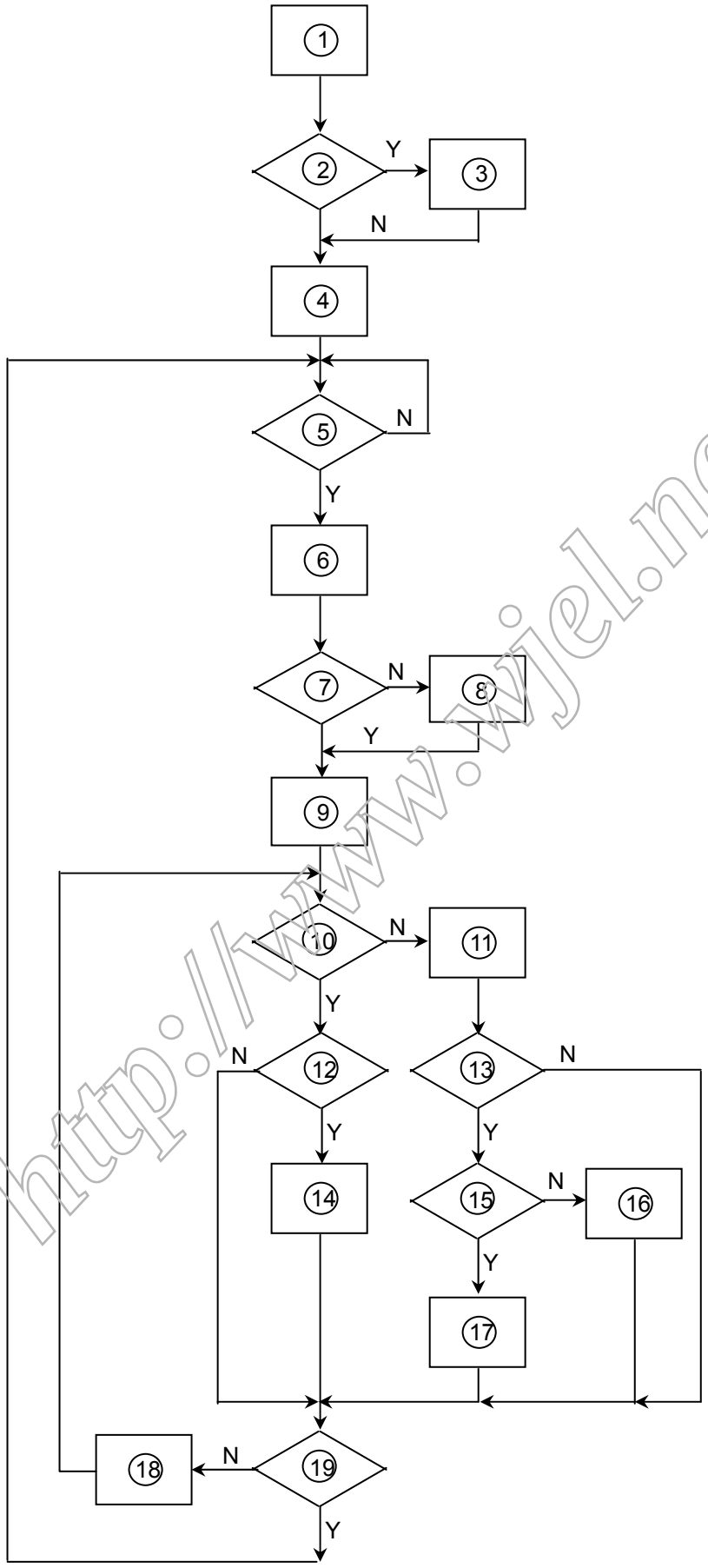
5.2 Software Flowing Chart



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REMARK:

1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on the LED and set it to green color. Scalar initialize.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are they're any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

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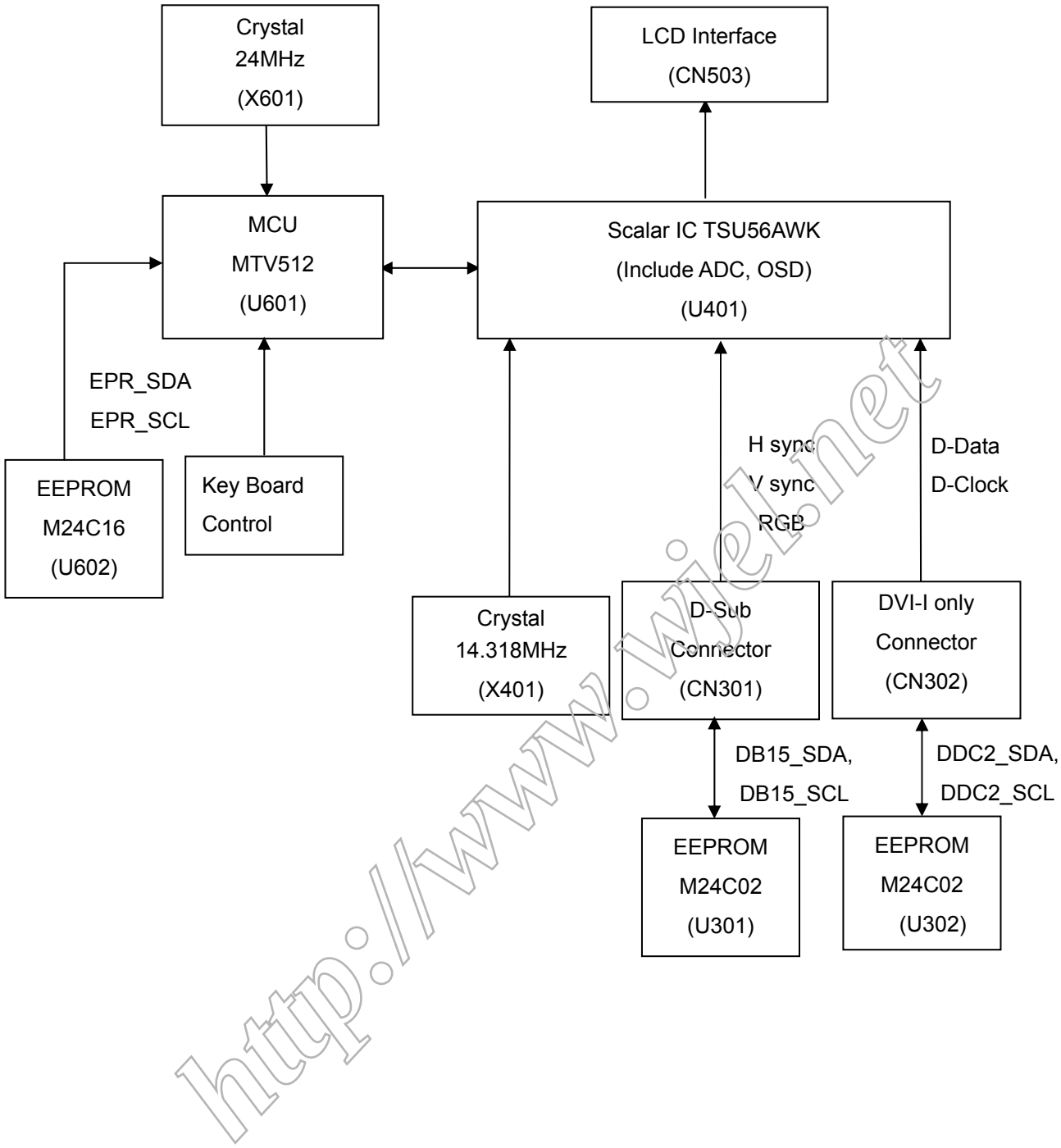
5.3 Electrical Block Diagram

5.3.1 Main Board



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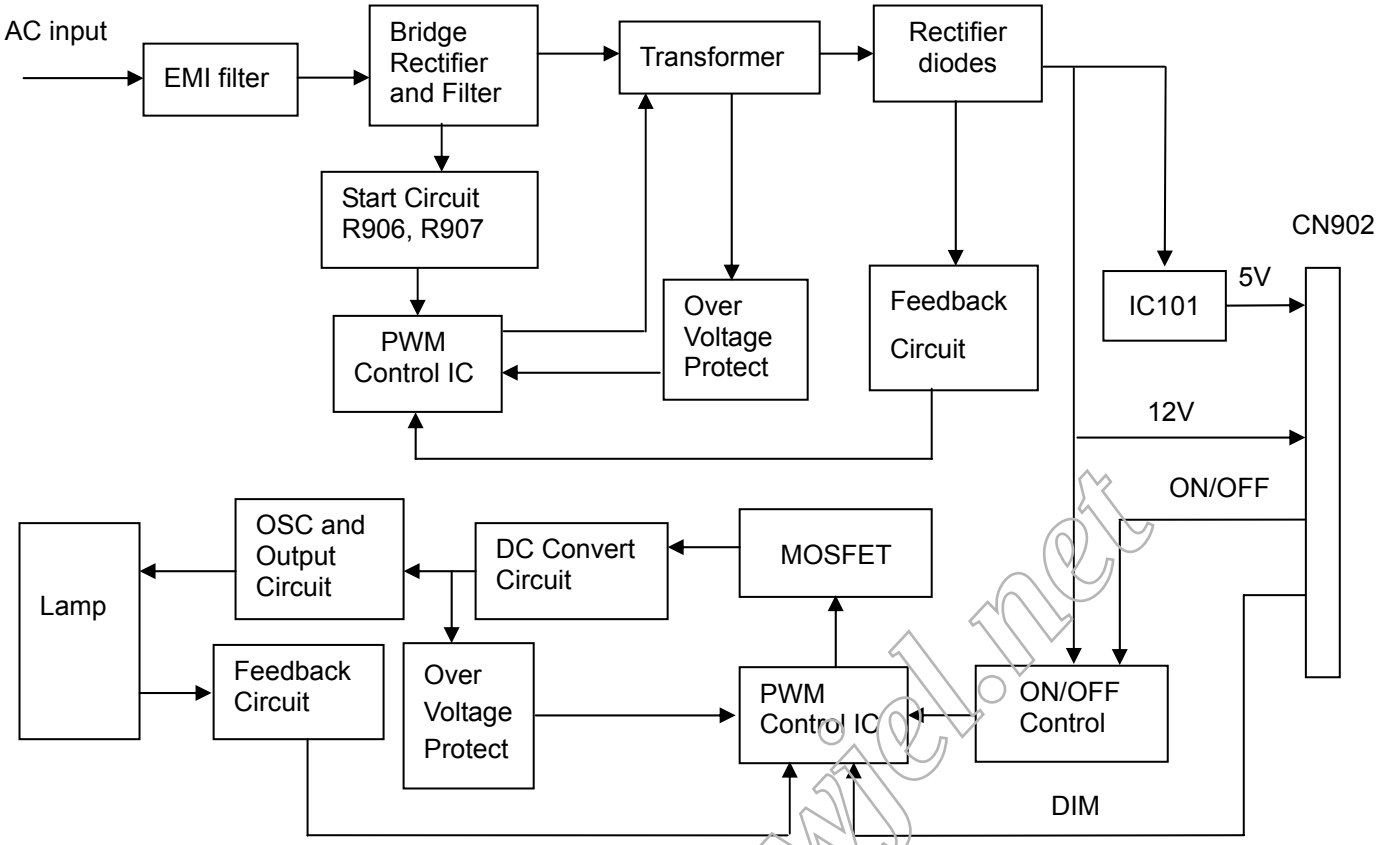
5.3.2 Inverter/Power Board



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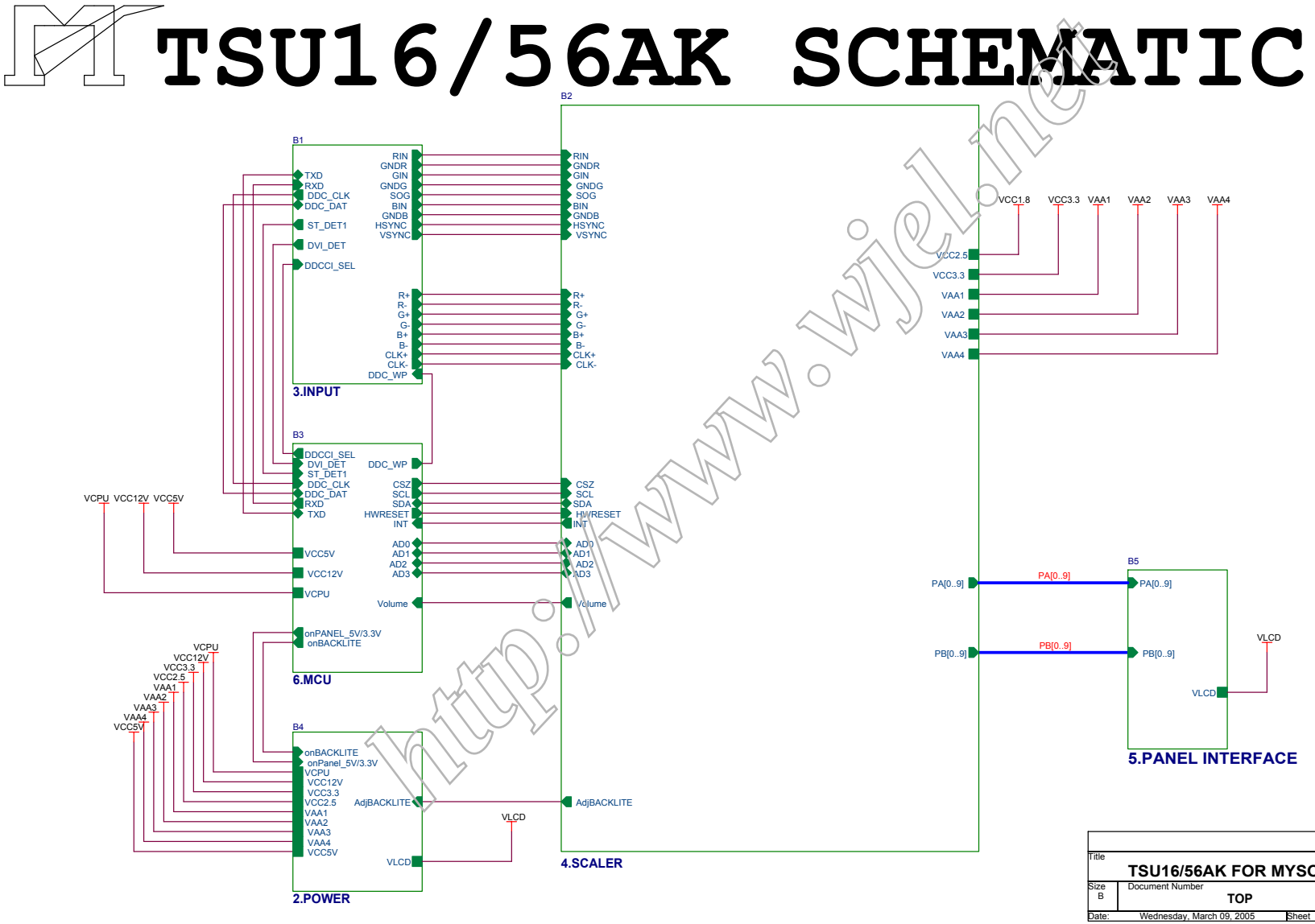
6. Schematic

6.1 Main Board

715G1423-3-512



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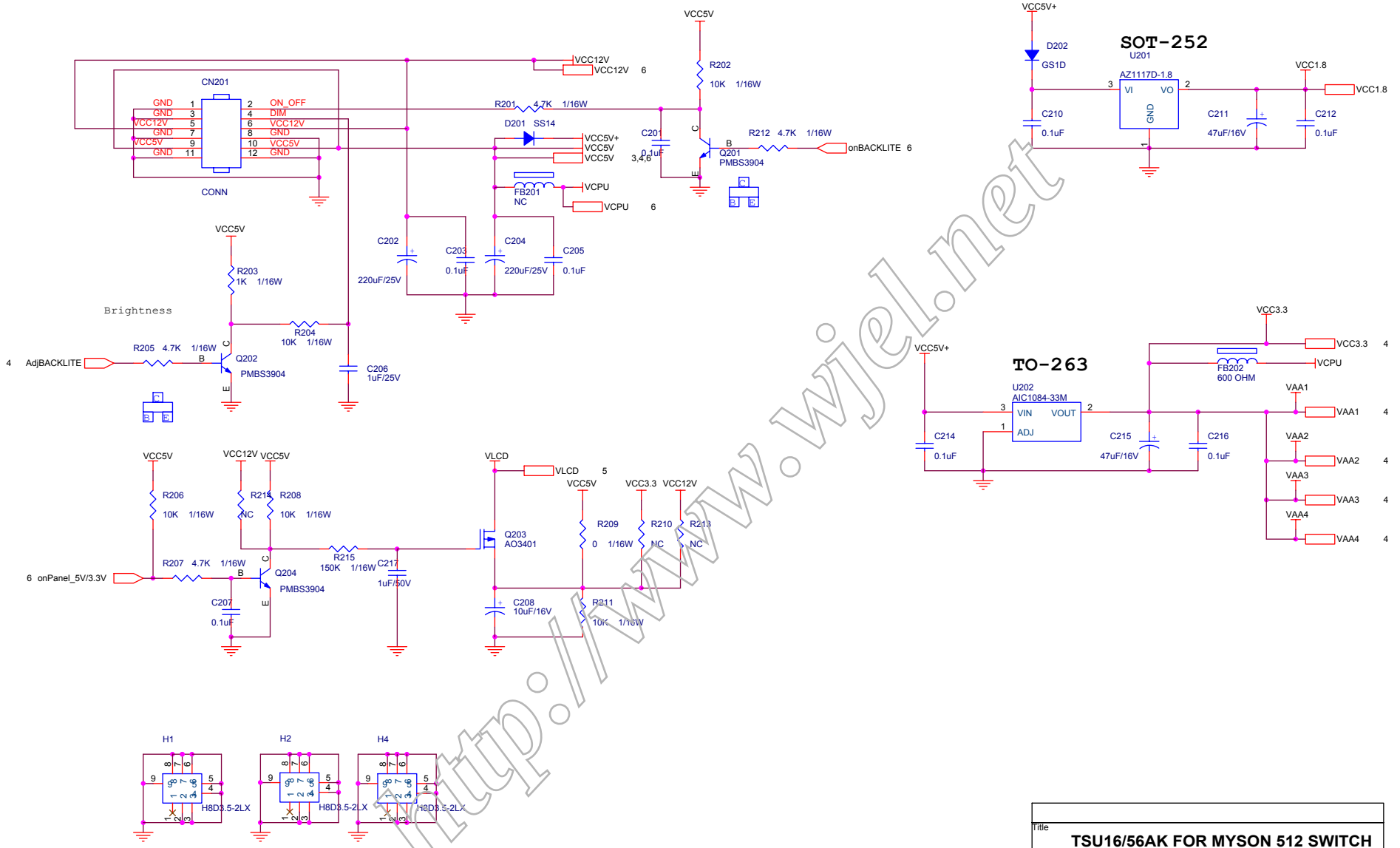

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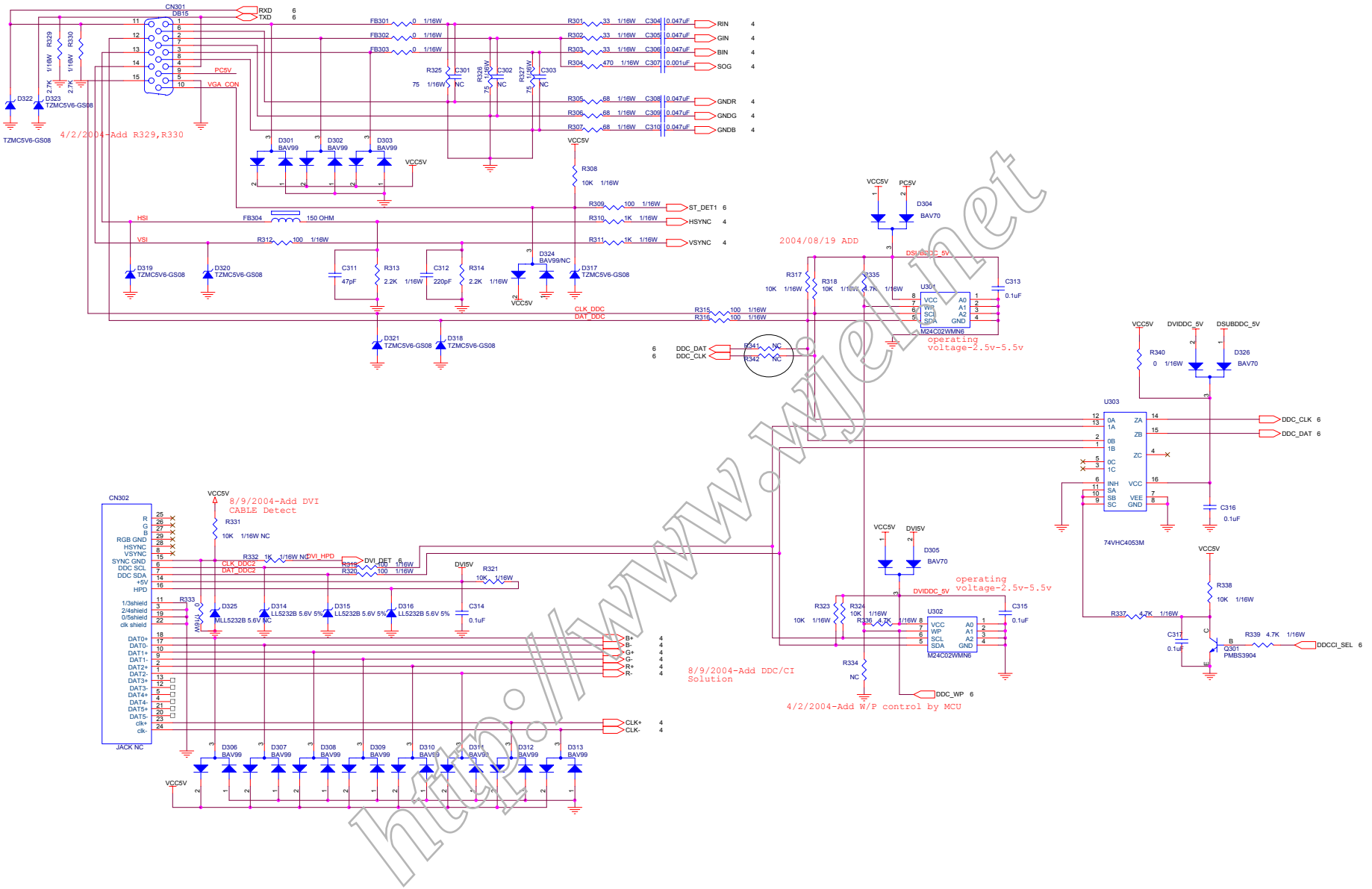
Size B	Document Number POWER	Rev B
Date: Wednesday, March 09, 2005	Sheet 2 of 6	



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Size C	Document Number INPUT	Rev B
Date: Wednesday, March 09, 2005	Sheet 3 of 6	

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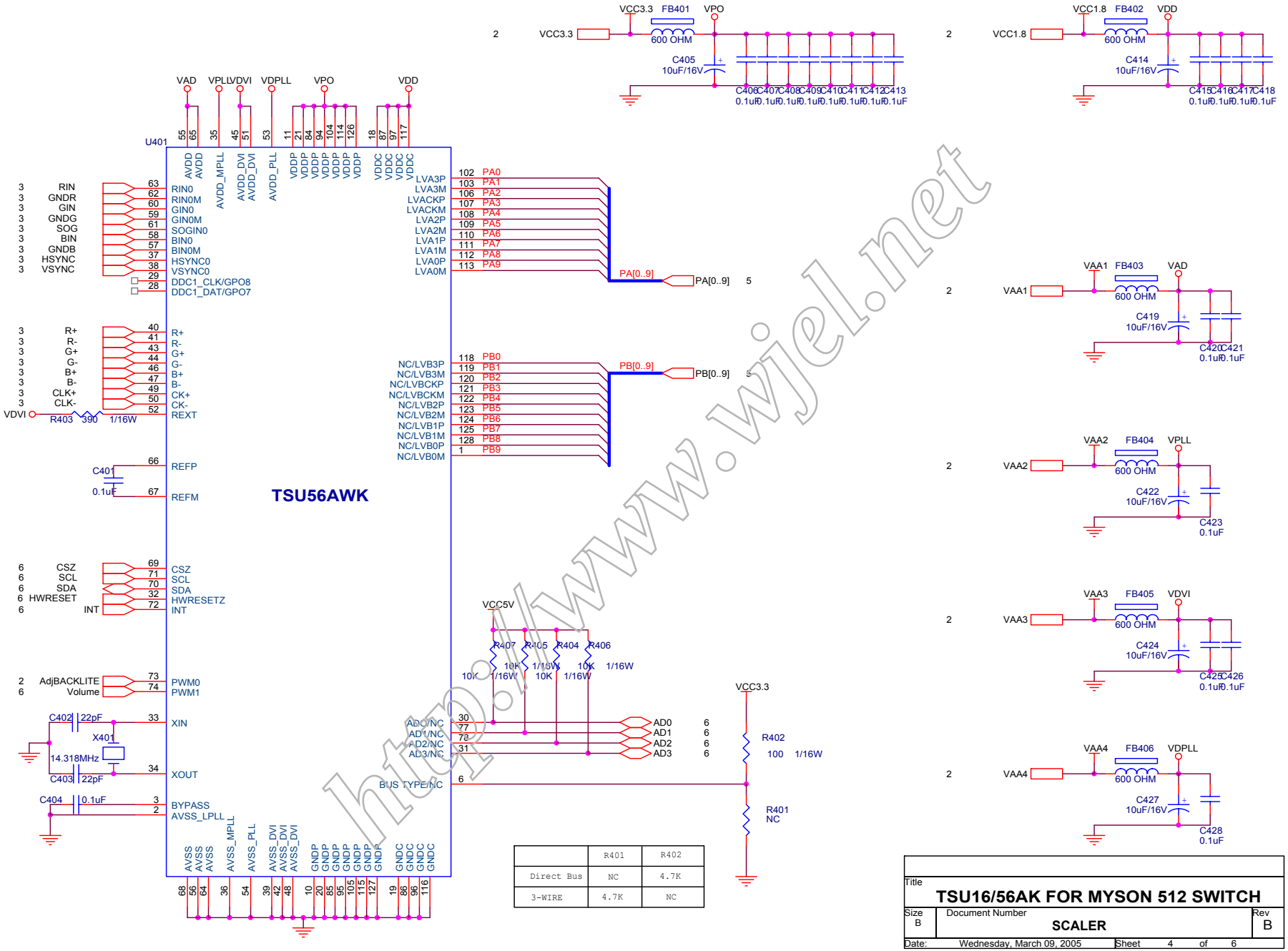

	R401	R402
Direct Bus	NC	4.7K
3-WIRE	4.7K	NC

Title	TSU16/56AK FOR MYSON 512 SWITCH		
Size B	Document Number SCALER		Rev B
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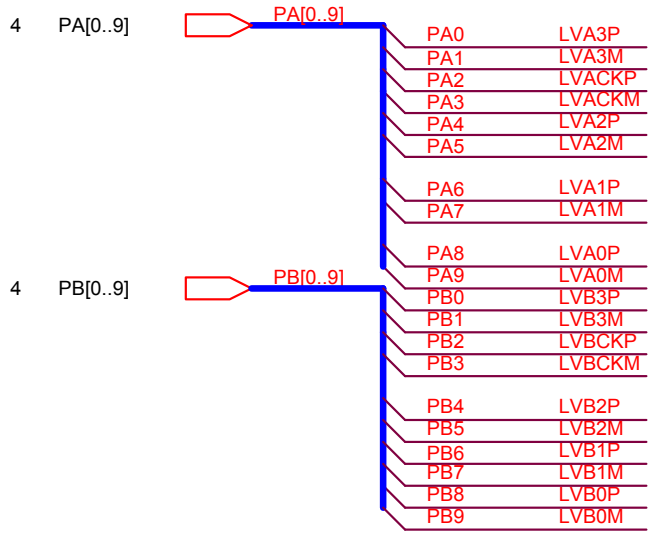

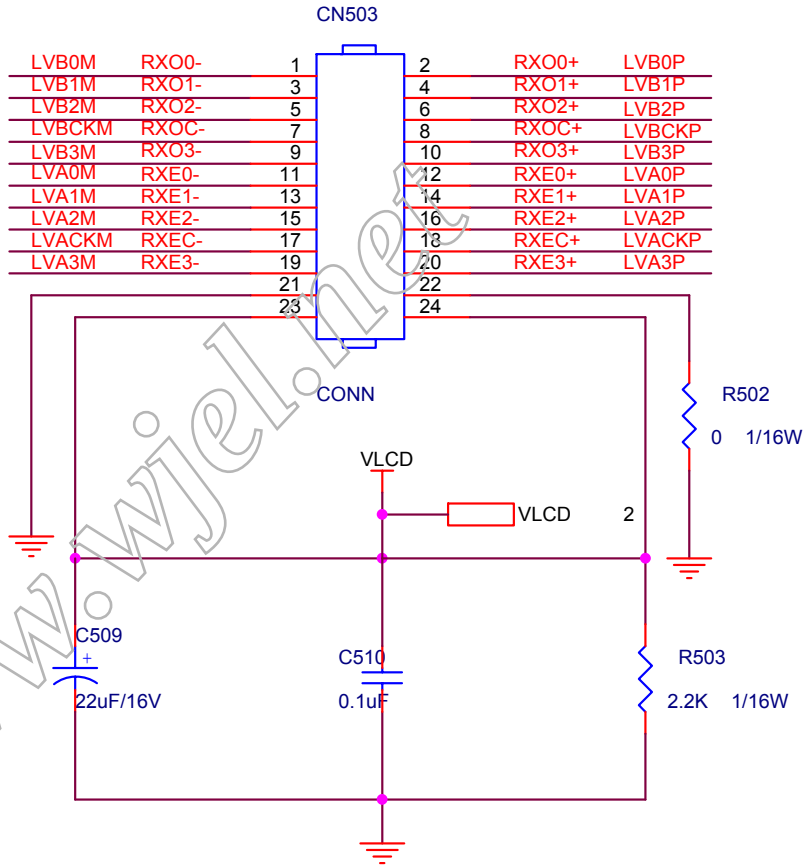

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Size A	Document Number PANEL INTERFACE	Rev B
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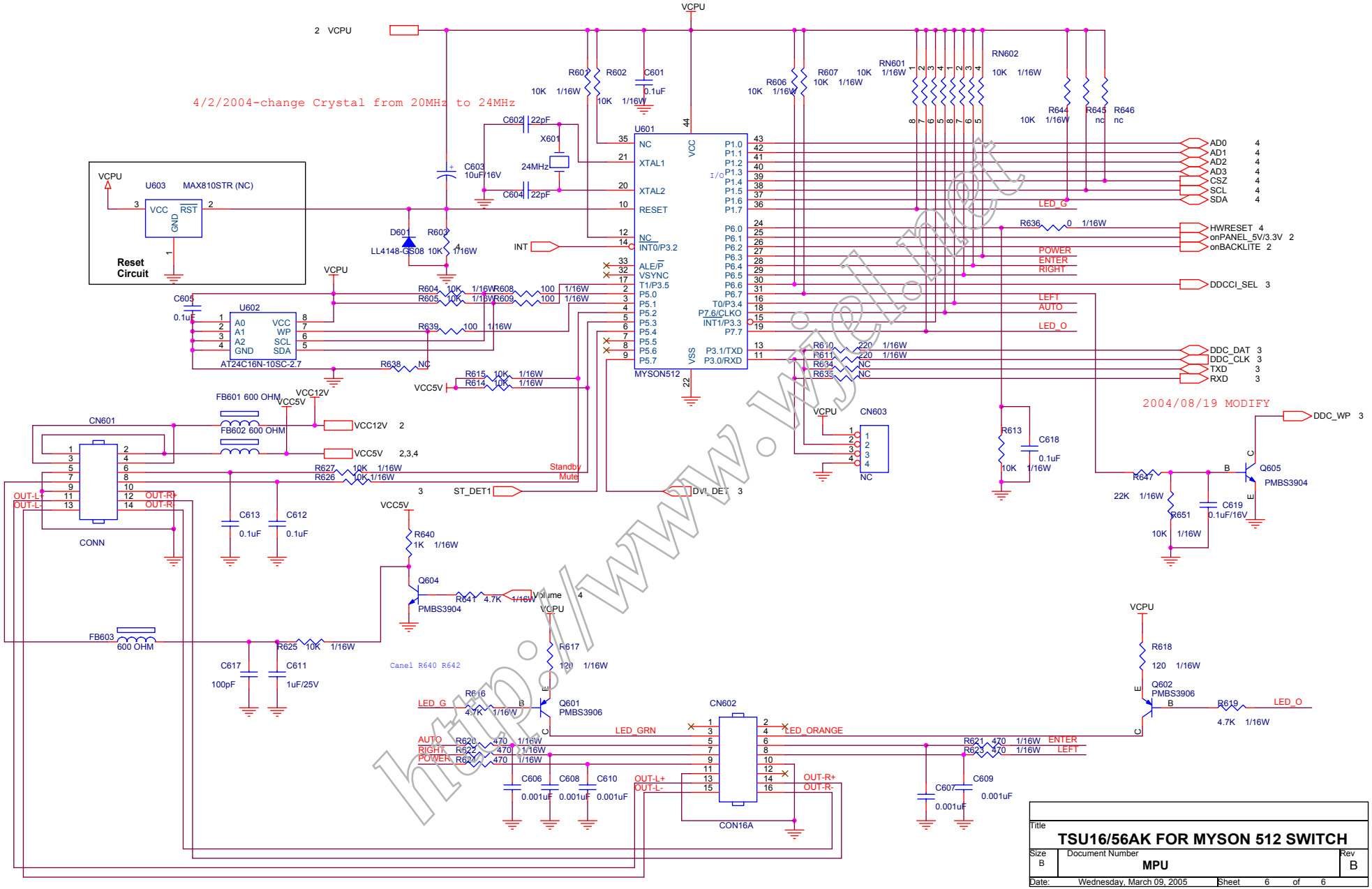

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Size B	Document Number MPU	Rev B
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6.2 Power Board

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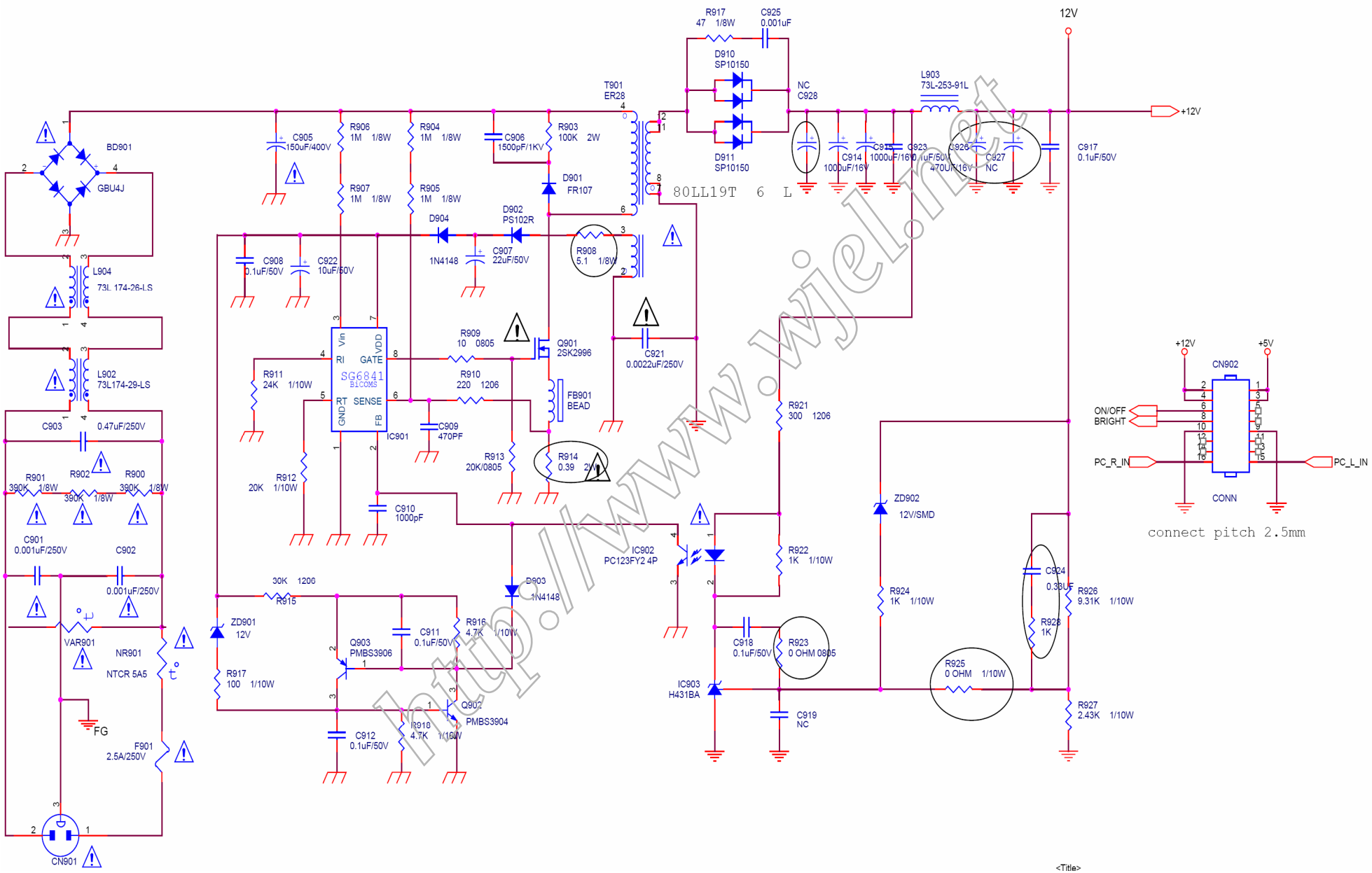

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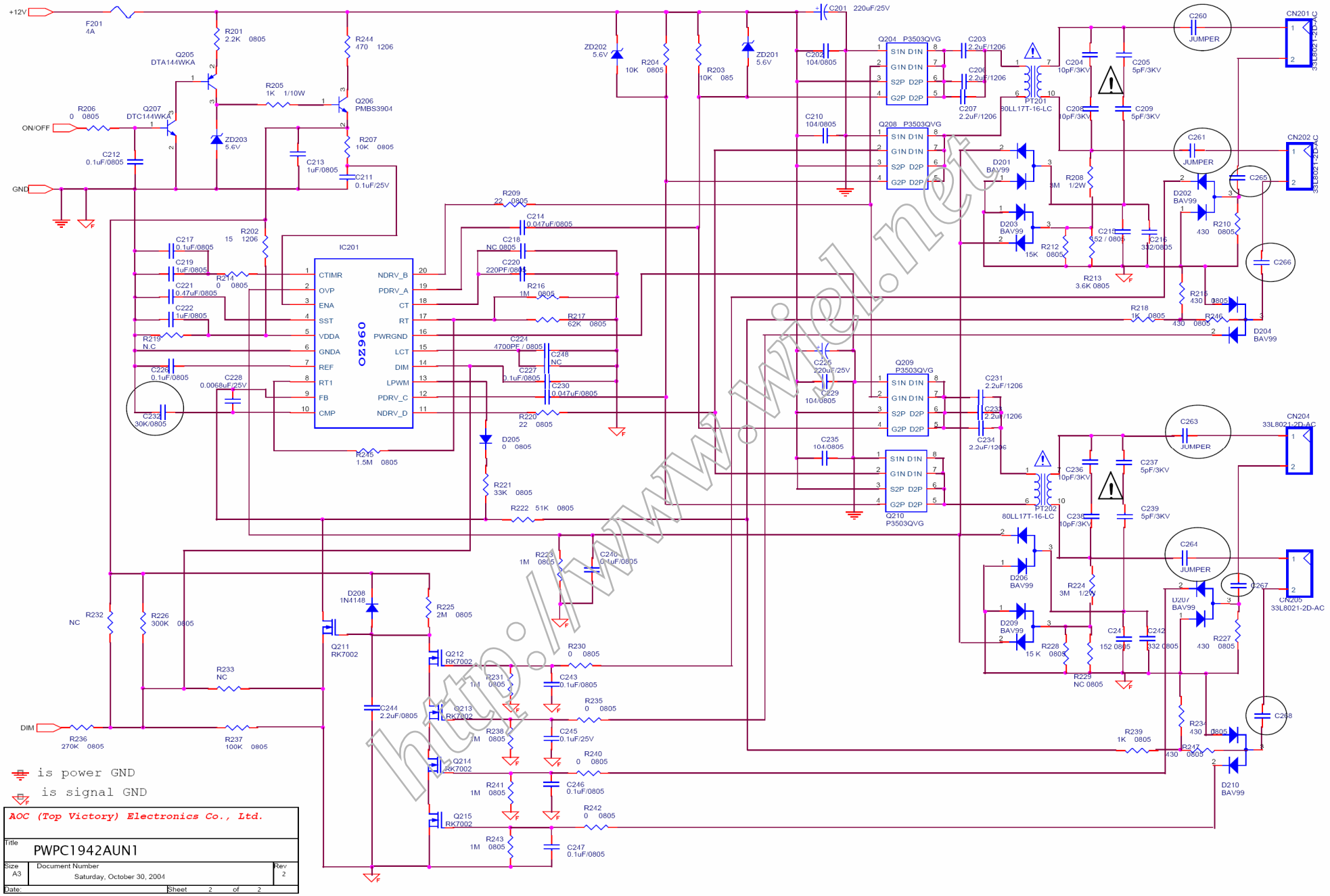

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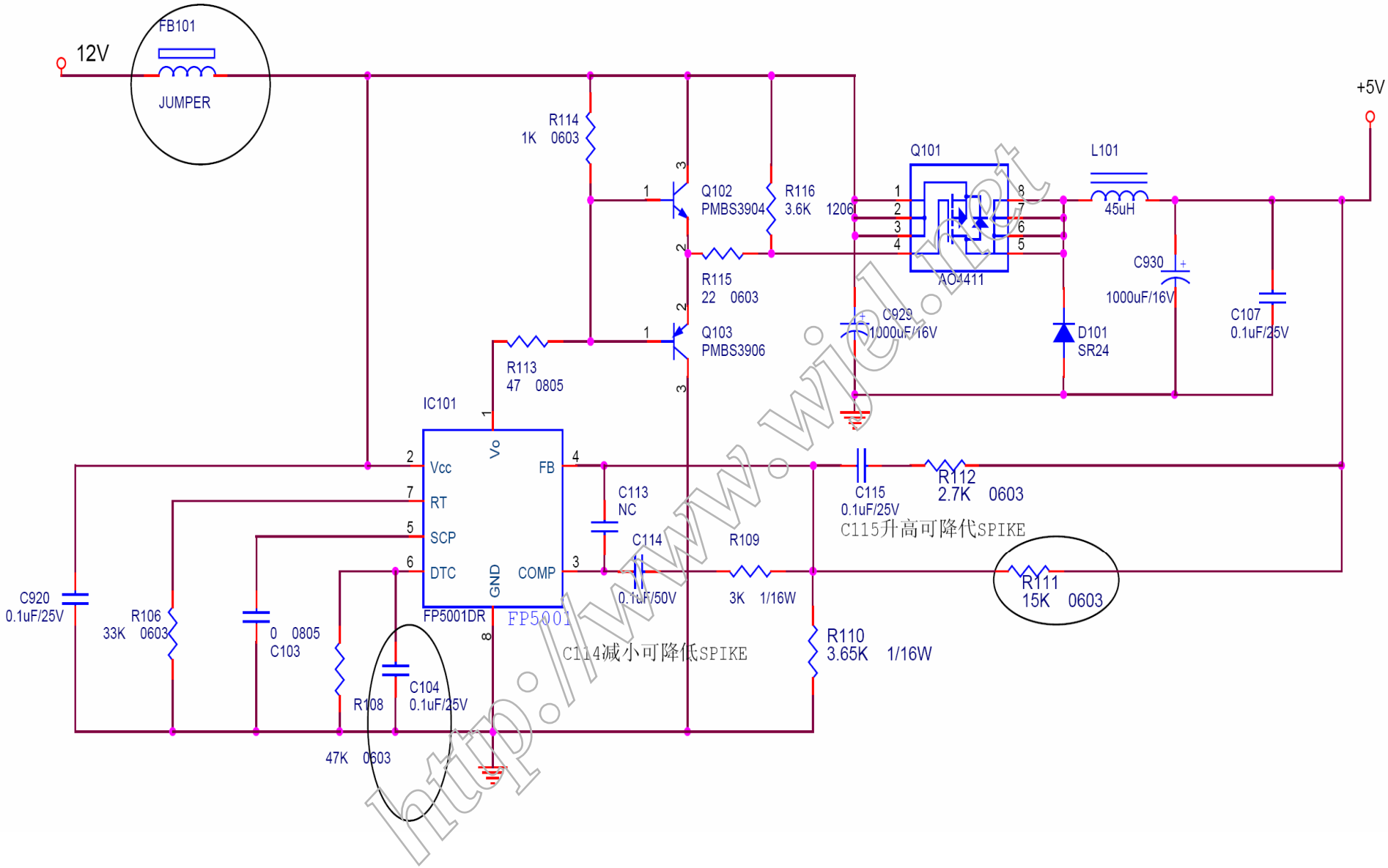
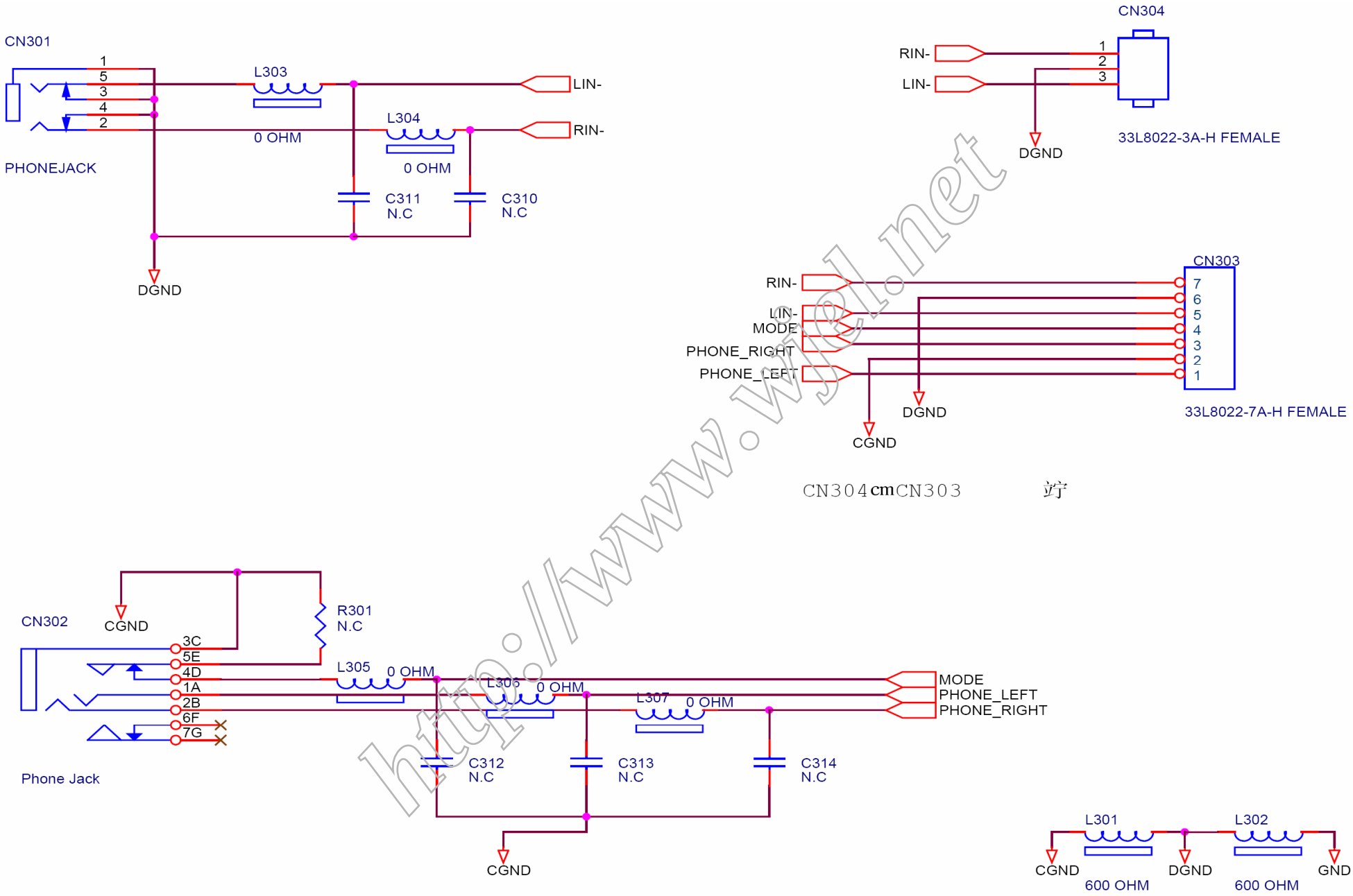


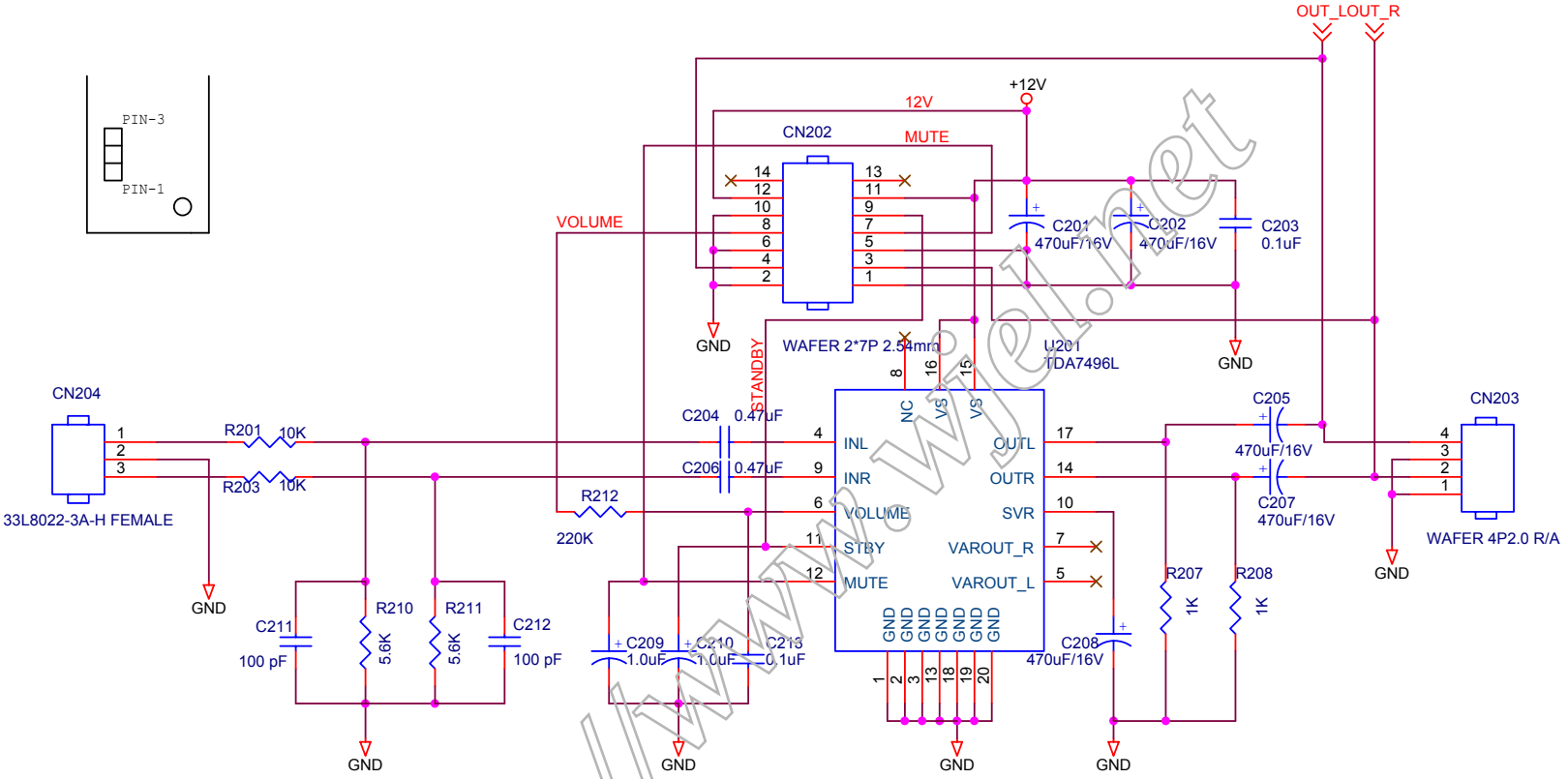
http://www.wiel.net



http://www.wjel.net

6.3 Audio Board

715G1144-4NMV



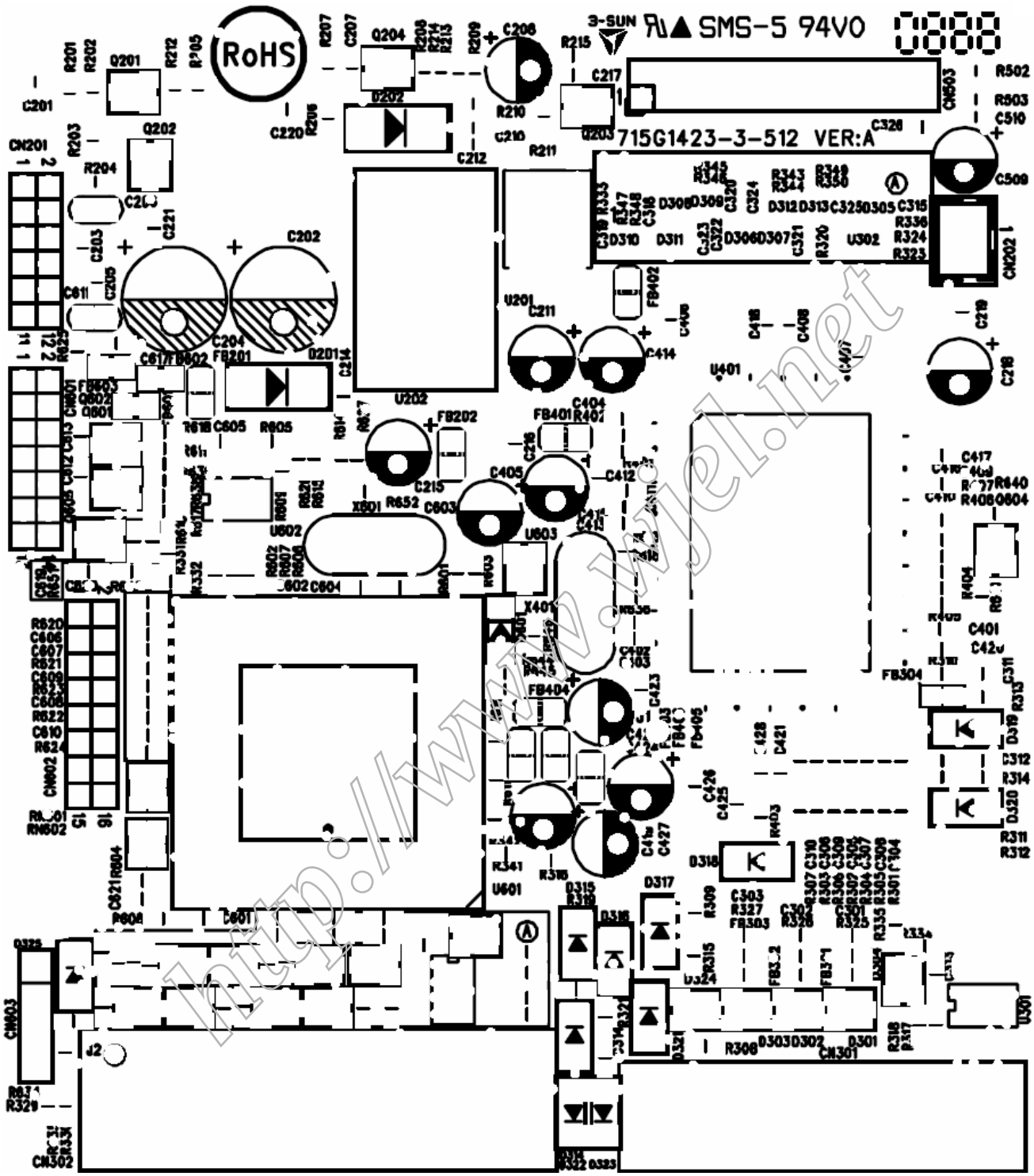
http://www.wel.net

Title	715G1144-4NMV	
Size A	Document Number <Doc>	Rev A
Date: Tuesday, May 18, 2004	Sheet 1 of 1	

7. PCB Layout

7.1 Main Board

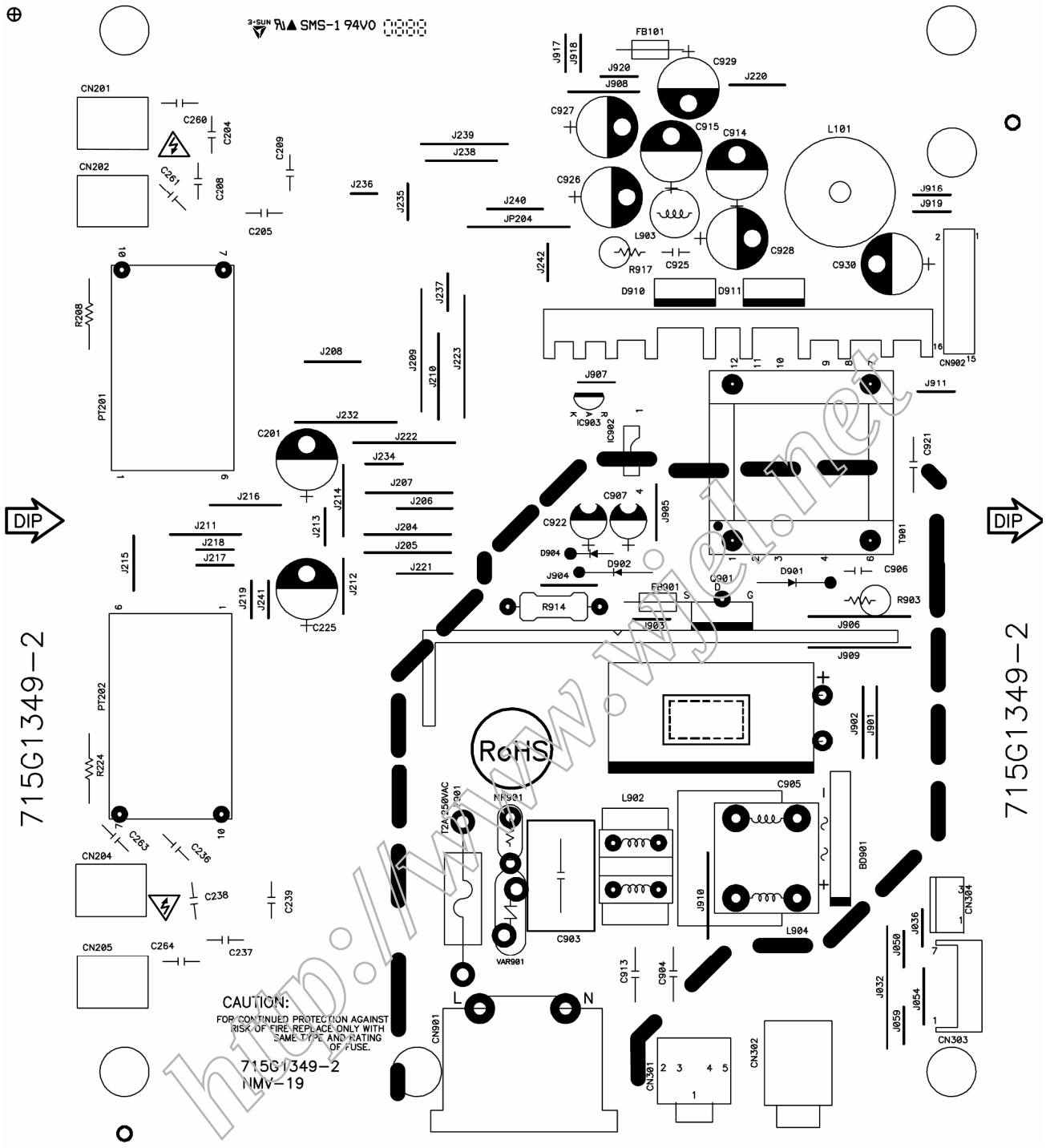
715G1423-3-512



http://www.wjel.net

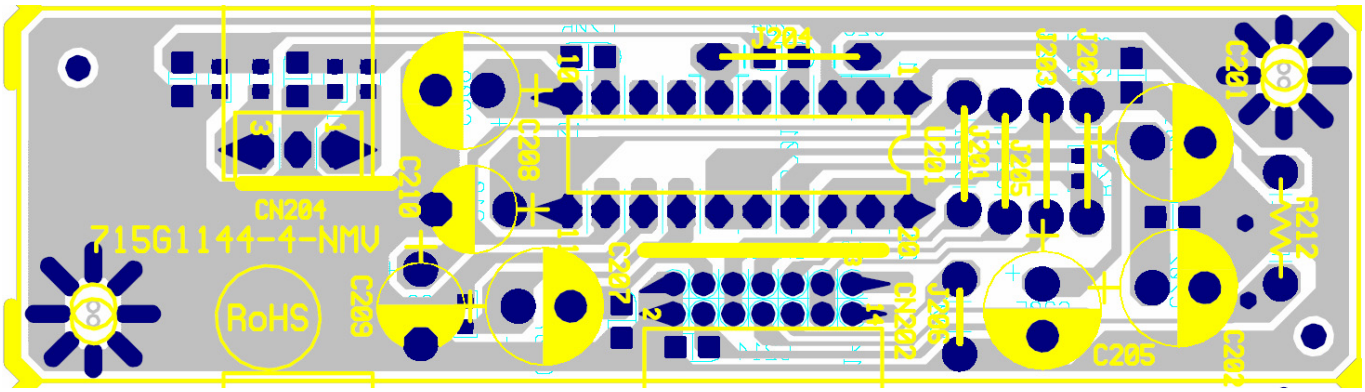
7.2 Power Board

715G1349-2



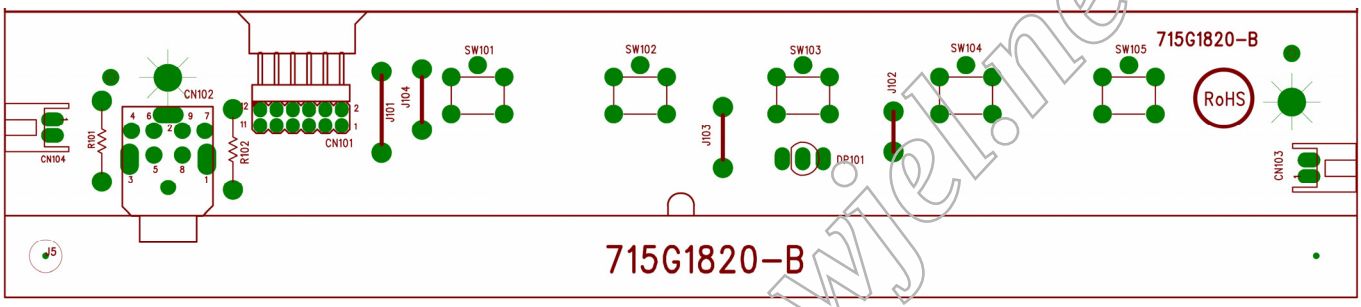
7.3 Audio Board

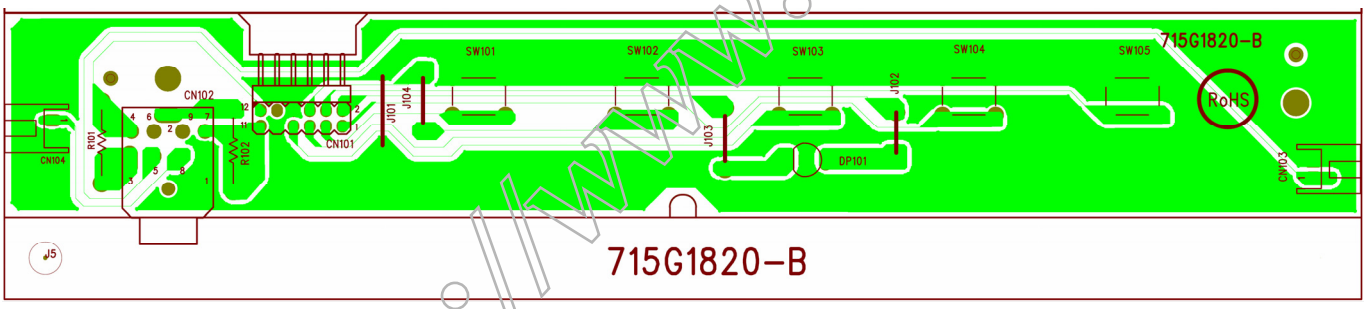
715G1144-4-NMV



7.4 Key Board

715G1820-B





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8. Maintainability

8.1 Equipments And Tools Requirement

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

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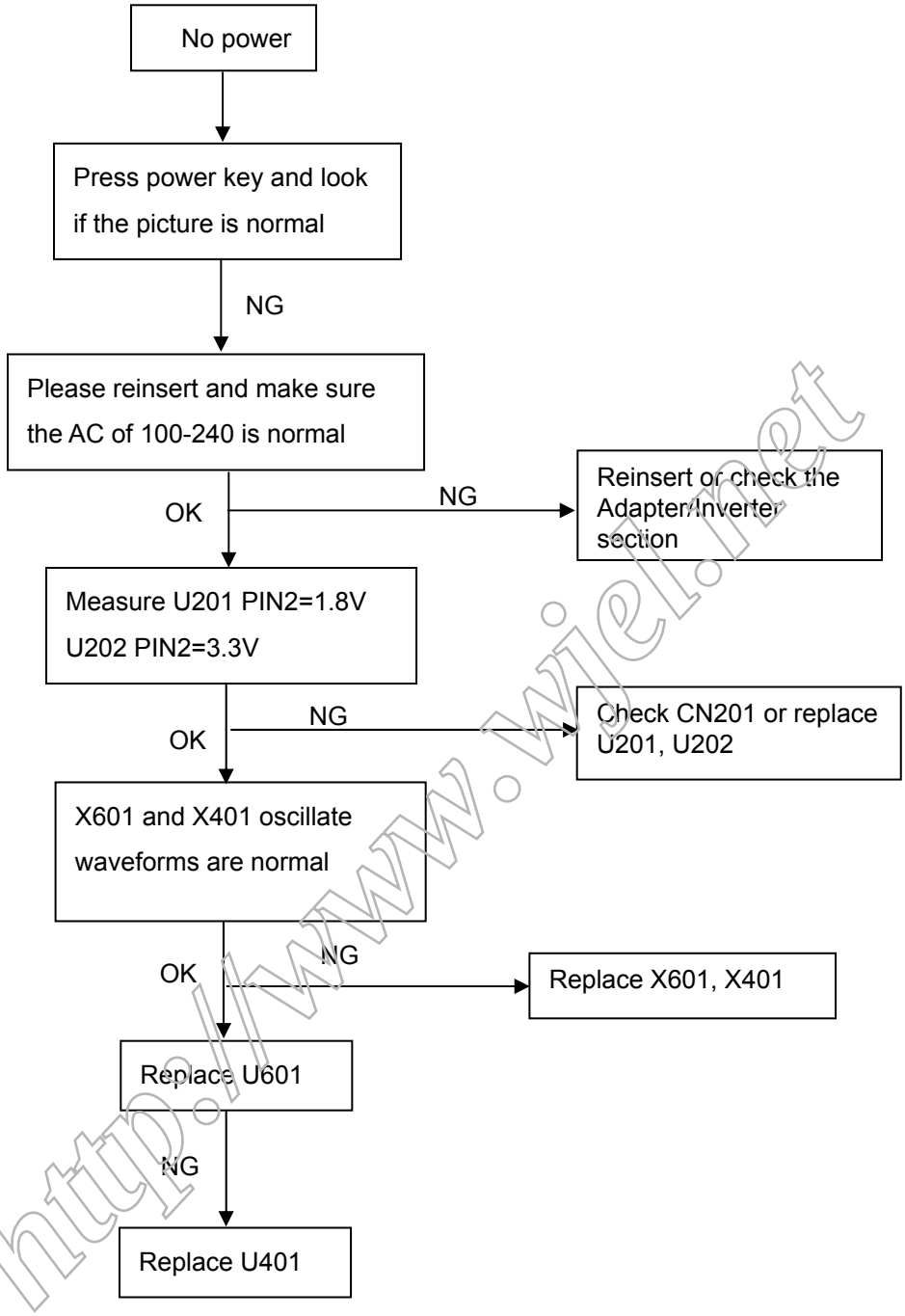
8.2 Trouble Shooting

8.2.1 Main Board

No power



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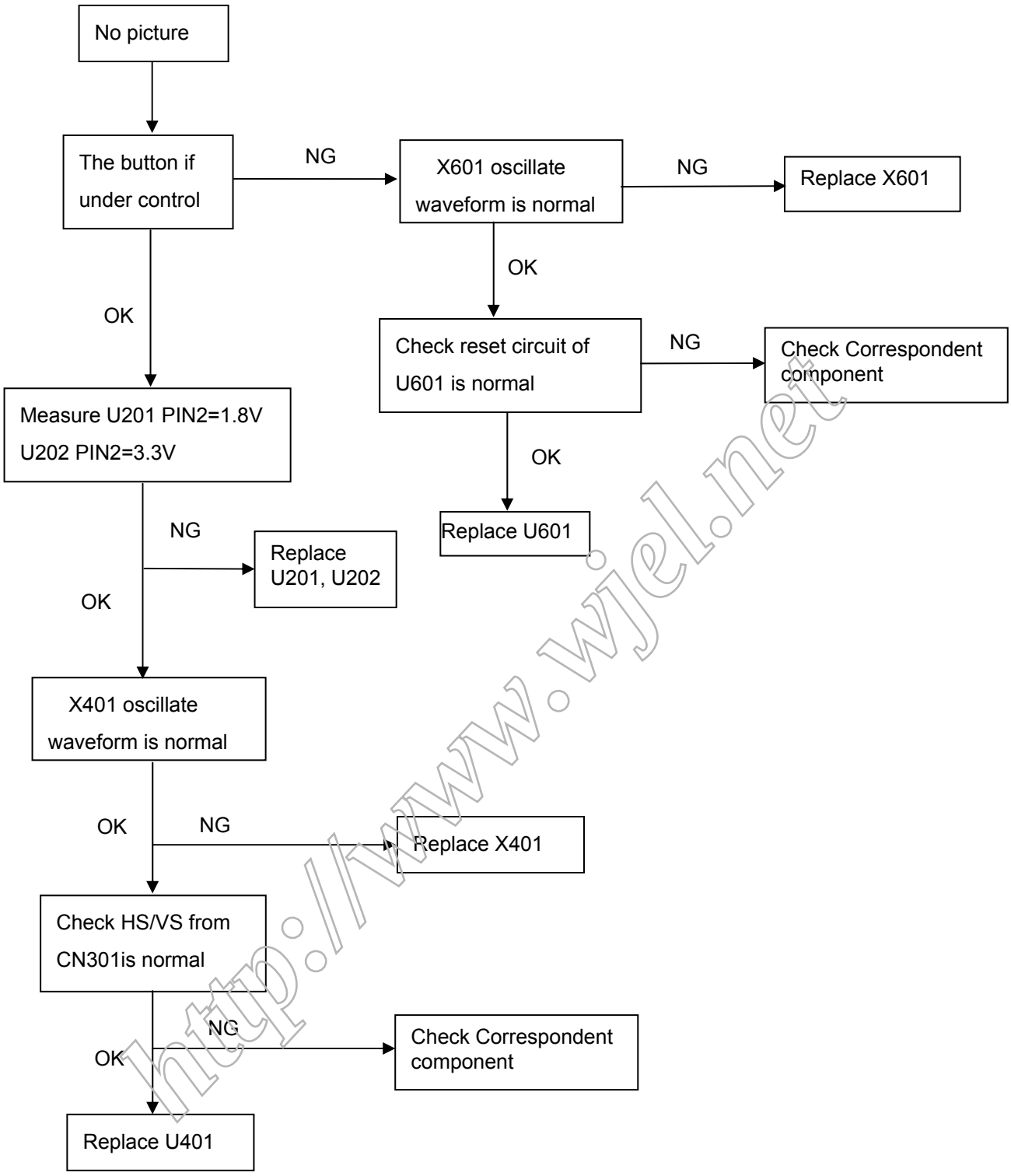
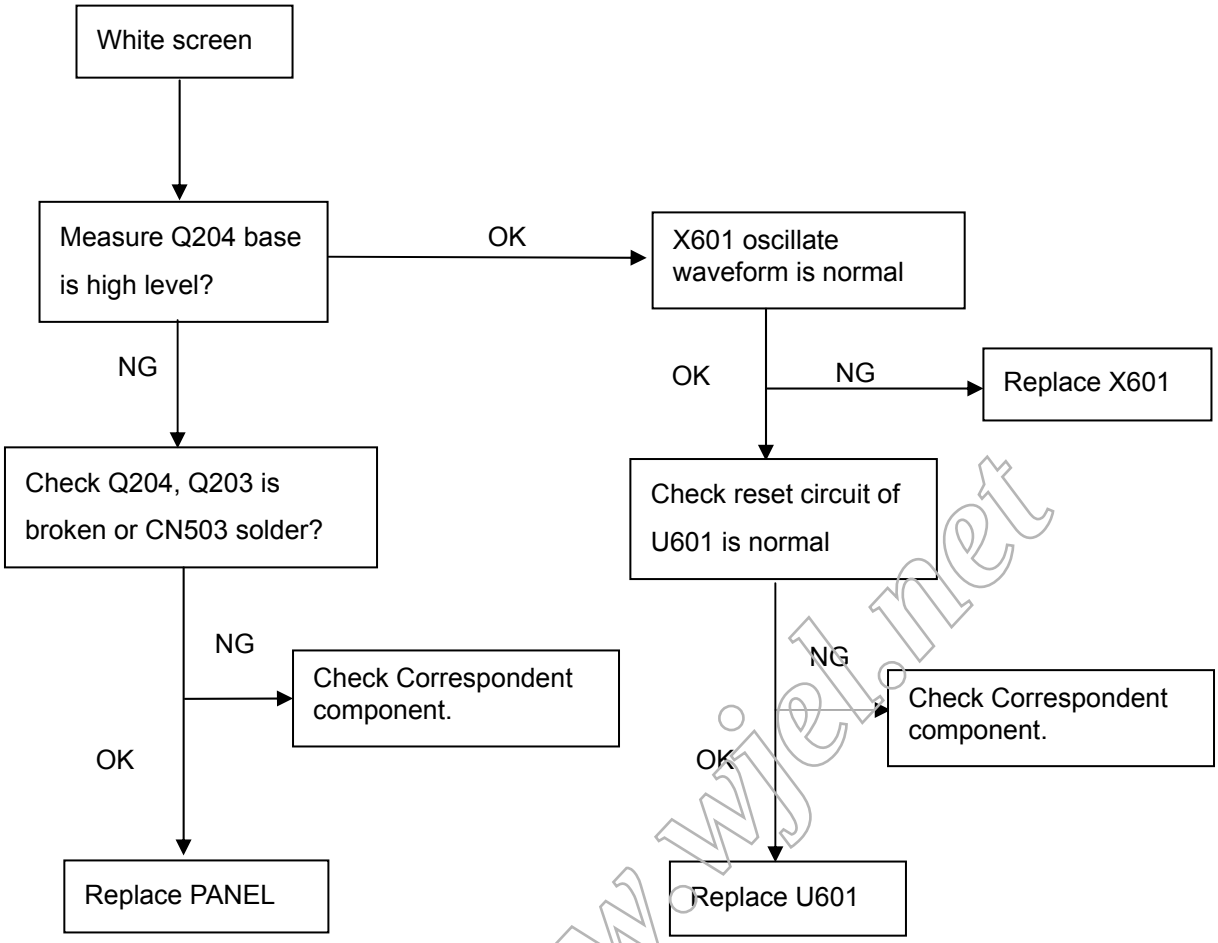
No picture (LED orange)



http://www.wjel.net

White screen



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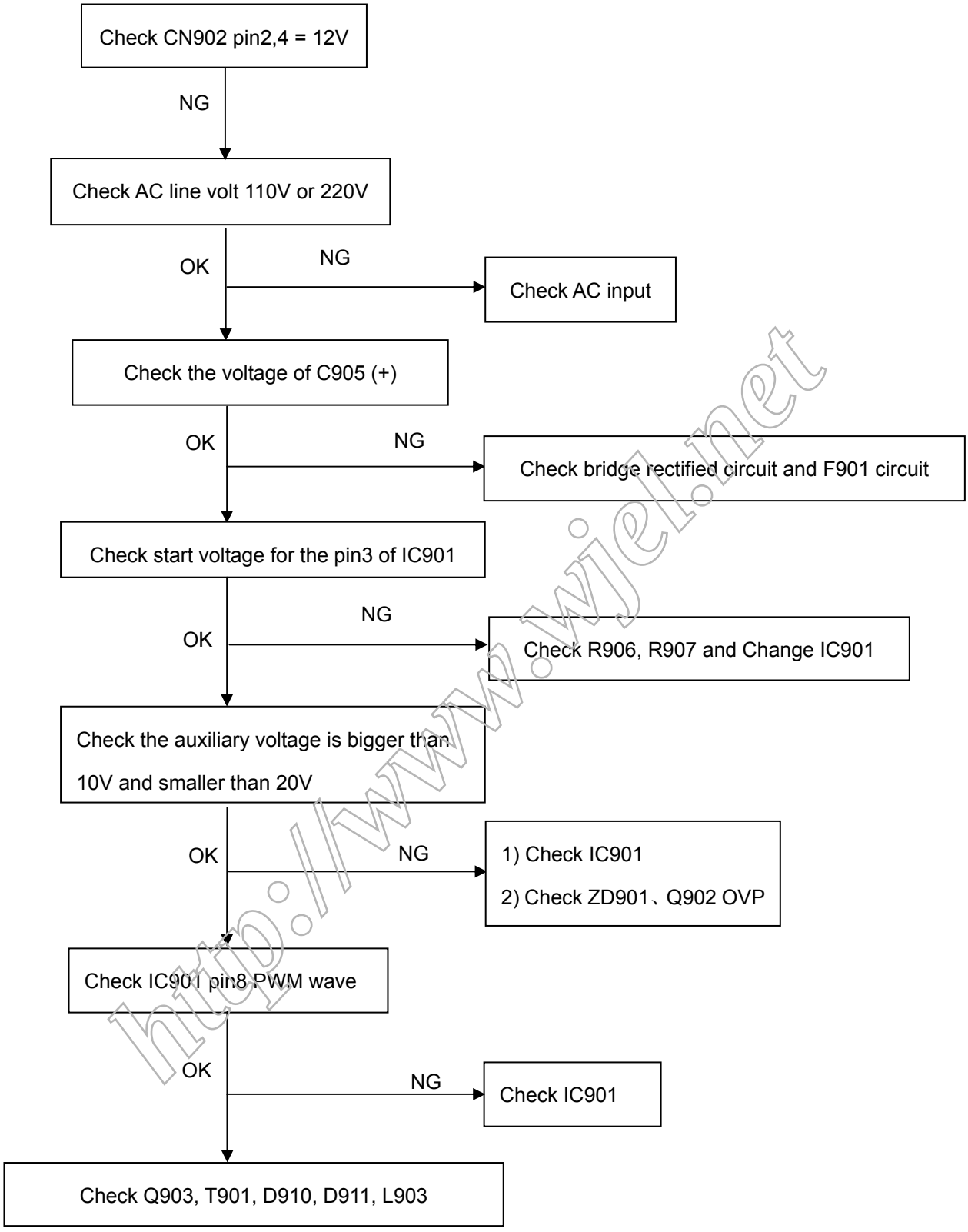
8.2.2 Power/Inverter Board

1) No power



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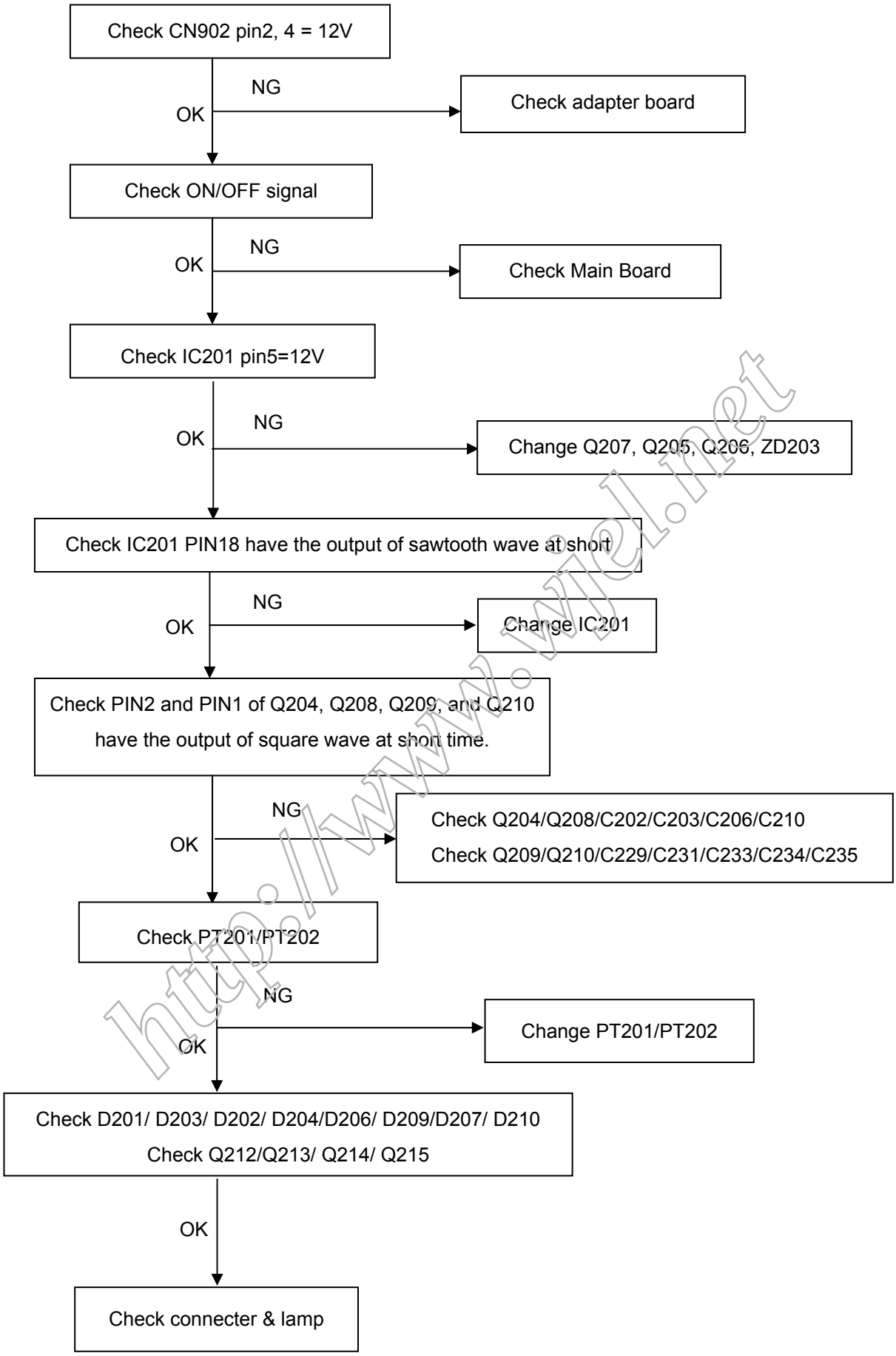
2.) W / LED, No Backlight



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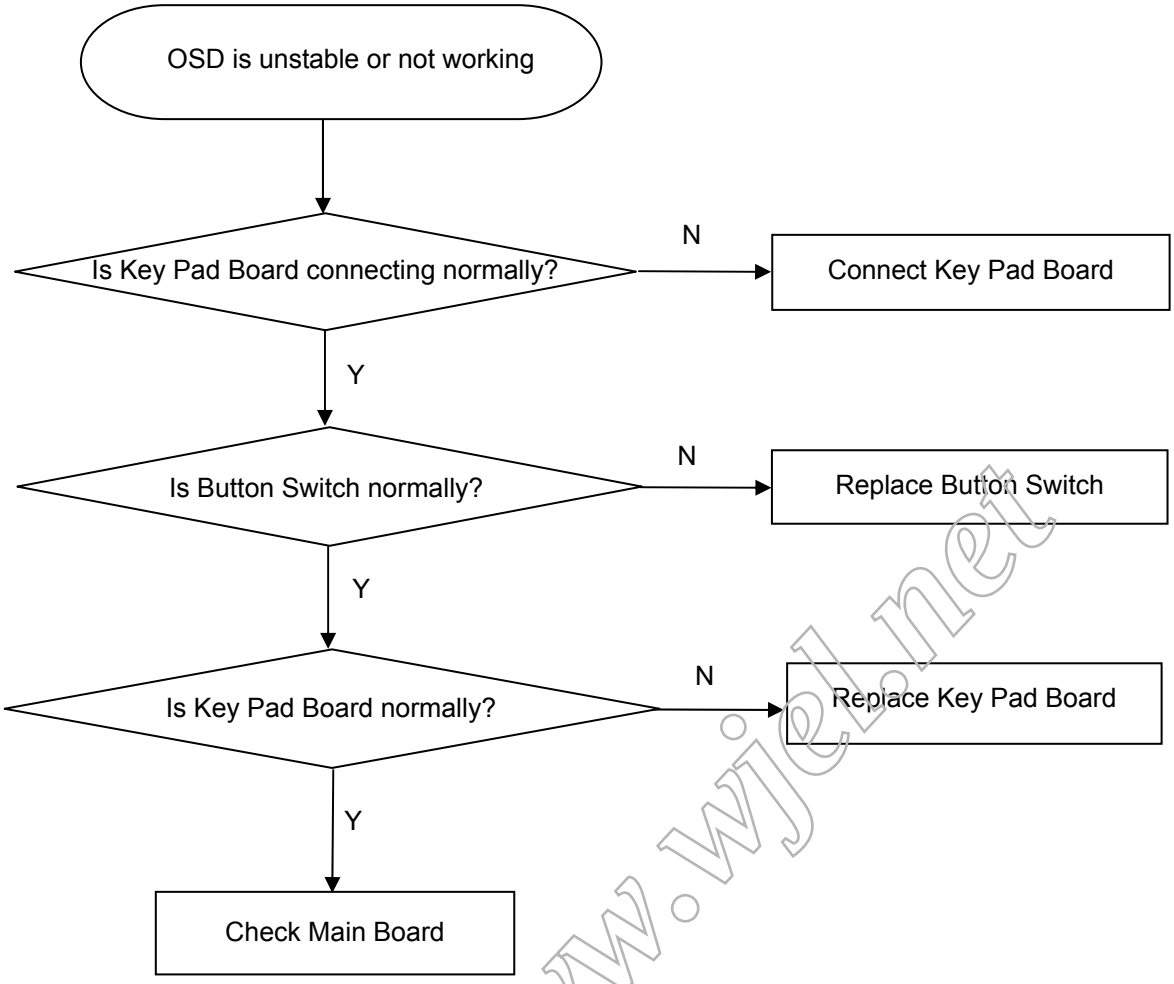
8.2.3 Keypad Board



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9. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

Before started adjust white balance , please set the Chroma-7120 MEM Channel 9 to 9300 color,

MEM Channel 10 to 7500 color, and MEM Channel 11 to 6500 color (our 9300 parameter is

x = 283 ± 20, y = 297 ± 20, Y = 180 ± 10 cd/ m^2 ;7500 parameter is x = 299 ± 20, y = 315 ± 20,

Y = 180 ± 10 cd/ m^2; 6500 parameter is x = 313 ± 20, y = 329 ± 20, Y = 180 ± 10 cd/ m^2)

How to setting MEM channel you can reference to chroma 7120 user guide or simple use " SC" key and " NEXT" Key to modify xyY value and use "ID" key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (9300 color):

9300 color temp. parameter is x = 283 ± 20, y = 297 ± 20, Y = 180 ± 10 cd/ m^2

B. MEM.CHANNEL 4 (7500 color):

7500 color temp. parameter is x = 299 ± 20, y = 315 ± 20, Y = 180 ± 10 cd/ m^2

C. MEM.CHANNEL 5 (6500 color):

6500 color temp. parameter is x = 313 ± 20, y = 329 ± 20, Y = 180 ± 10 cd /m^2

3. Into Factory mode of ASUS MM19T:

① Press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

② Turn off the power, press MENU button and SPLENDID button, then press power button. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast** to 50; Adjust the **Brightness** to 80.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

A. Adjust 9300 color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ± 20, y = 297 ± 20, Y = 180 ± 10 cd/ m^2
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100 ± 2

B. Adjust 7500 color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 299 ± 20, y = 315 ± 20, Y = 180 ± 10 cd/ m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100

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6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100 ± 2

C. Adjust 6500 color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 5 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ± 20, y = 329 ± 20, Y = 180 ± 10 cd/ m^2
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100 ± 2

D. Turn the Power-button off to quit from factory mode.

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10. EDID Content

Analog EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	04	69	B3	19	D3	C2	00	00
16:	06	10	01	03	68	26	1E	78	2A	C0	F5	A3	57	4A	9C	23
32:	11	4F	54	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	BC	34	00	98	51	00	2A	40	10	90
64:	13	00	54	0E	11	00	00	1E	00	00	00	FF	00	33	32	31
80:	36	35	34	39	38	37	35	0A	20	20	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	41	53	55	53	20	4D	4D	31	39	54	0A	20	20	00	03

Digital EDID

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	04	69	B3	19	D4	C2	00	00
16:	06	10	01	03	80	26	1E	78	2A	C0	F5	A3	57	4A	9C	23
32:	11	4F	54	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	BC	34	00	98	51	00	2A	40	10	90
64:	13	00	54	0E	11	00	00	1E	00	00	00	FF	00	33	32	31
80:	36	35	34	39	38	37	36	0A	20	20	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	41	53	55	53	20	4D	4D	31	39	54	0A	20	20	00	E9

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11. BOM List

T980KH2HDAUSAP

Location	Part No. for TPV	Description	Quantity	Unit
	AUPC980KA9P	AUDIO BOARD	1	PCS
	CBPC980KH2USP	CONVERSION BOARD	1	PCS
	KEPC980KUSAP	KEY BOARD	1	PCS
	PWPC1942HSU3P	POWER BOARD	1	PCS
	S95G801830634	LVDS	1	PCS
	15G6207 L 3	PANEL BRACKET	1	PCS
	15G6207 R 3	PANEL BRACKET	1	PCS
	44G3231 15600	EVA WASHER	1	PCS
	44G3956 1	EPS(L)	1	PCS
	44G3956 2	EPS(R)	1	PCS
	44G3956624 1A	CARTON	1	PCS
	45G 88606	PE BAG FOR BASE	1	PCS
	45G 88626 1	PE BAG FOR MONITOR	1	PCS
	52G 1186	SMALL TAPE	8	CM
	52G 1211 B	AL TAPE	2	PCS
	52G6020 5	PROTECT FILM	1	PCS
	52G6025 11925	MYLAR	1	PCS
	85G6119 1	SHIELD	1	PCS
	89G 173 56522	AUDIO CABLE	1	PCS
	89G 718GAA D	SIGNAL CABLE	1	PCS
	89G1748LAADVI	DVI CABLE	1	PCS
	89G414A18N LS	POWER CORD	1	PCS
	95G8014 16599	WIRE HARNESS	1	PCS
	M1G 330 6128	SCREW	4	PCS
	M1G 330 6128	SCREW	4	PCS
	M1G1140 6128	SCREW 4X6	1	PCS
	M1G1730 6128	SCREW M3x6	9	PCS
	M1G3030 6128	SCREW	4	PCS
	Q1G 330 6128	SCREW	4	PCS
	705L980KB34188	19" LCD COVER ASS'Y	1	PCS
	705L980KF34078	19" LCD COVER ASS'Y	1	PCS
	705L980KP34076	19" LCD COVER ASS'Y	1	PCS
	AM1G1740 12128	SCREW	4	PCS
E750L	750GLH9013A 11	HSD 19" A10 PANEL	1	PCS
705L980KB34188				

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	15G6206 1	HINGE BRACKET	1	PCS
	34G6202 GM17B	REAR COVER	1	PCS
	Q1G 140 8128	SCREW	6	PCS
		705L980KF34078		
	33G4891 1	LENS	1	PCS
	33G6433 GM L	KEY PAD	1	PCS
	34G6398 GM 1B	BEZEL	1	PCS
	78G 322501 KL	SPEAKER	1	PCS
	78G 322504 RK	SPEAKER	1	PCS
	Q1G1030 8128	SCREW	4	PCS
		705L980KP34076		
	12G 394 3	RUBBER FOOT	4	PCS
	33G4695 1 C	CLAMP	1	PCS
	34G1546 GM B	STAND	1	PCS
	34G6399 GM B	BASE UP	1	PCS
	34G6400 GM B	BASE DOWN	1	PCS
	37G 510 2	HINGE	1	PCS
	Q1G1040 10128	TAP 4X8 FOR SP	3	PCS
		AUPC980KA9P		
	AUPC980KA9SMTP	AUDIO BOARD FOR SMT	1	PCS
	40G 581 26605	LABEL-P/N	1.5	PCS
C201	67G215B471 3N GP	KY16VB470M-L 8*15MM	1	PCS
C202	67G215B471 3N GP	KY16VB470M-L 8*15MM	1	PCS
C205	67G215B471 3N GP	KY16VB470M-L 8*15MM	1	PCS
C207	67G215B471 3N GP	KY16VB470M-L 8*15MM	1	PCS
C208	67G215B471 3N GP	KY16VB470M-L 8*15MM	1	PCS
CN202	33G802414C H	2*7PIN DUAL ROW RIGHT A	1	PCS
CN204	33C3278 3	3P PLUG B3B-XHA/JST	1	PCS
U201	56G 616 1	TDA7496	1	PCS
	AUPC980KA9AIP	AUDIO BOARD FOR AI	1	PCS
C203	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C204	65G0805474 22	CHIP 0.47UF 25V X7R 080	1	PCS
C206	65G0805474 22	CHIP 0.47UF 25V X7R 080	1	PCS
C211	65G0805101 31	CHIP 100PF 50V NPD 0805	1	PCS
C212	65G0805101 31	CHIP 100PF 50V NPD 0805	1	PCS
C213	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C214	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS
C215	65G0603101 31	CER1 0603 NP0 50V 100P	1	PCS

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R201	61L0603183	CHIP 18K OHM 1/10W	1	PCS
R203	61L0603183	CHIP 18K OHM 1/10W	1	PCS
R207	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R208	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R210	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R211	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
	715G1144 4NMV	PCB	1	PCS
C209	67G 2151007NT	KY50VB10M-TP5 5*11.5	1	PCS
C210	67G 2151007NT	KY50VB10M-TP5 5*11.5	1	PCS
R212	61G 60220152T	CFR 200 OHM +-5% 1/6W	1	PCS
CBPC980KH2USP				
	AIC980KH2USP	MAIN BOARD	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
C202	67G215B221 4H	LOW E.S.R 220UF +-20% 2	1	PCS
C204	67G215B221 4H	LOW E.S.R 220UF +-20% 2	1	PCS
CN201	33G8027 12	WAFER 2*6P 2.0MM R/A	1	PCS
CN301	88G 35315F H	D-SUB 15PIN	1	PCS
CN302	88G 35424F H	DV1 CONNECTOR 24PIN	1	PCS
CN503	33G802724B H	WAFER	1	PCS
CN601	33G801714A H	PIN HEADER 2*7 R/A	1	PCS
CN602	33G8027 16	WAFER 16PIN 2.0mm DIP	1	PCS
J1-J2	95G 900598	HARNESS	1	PCS
X401	93G 22 53	CRYSTAL 14.318MHzHC-49U	1	PCS
X601	93G 22 45 H	24MHZ/30PF/49US	1	PCS
	40G 457624 1B	LABEL-CPU	1	PCS
	715G1423 3512	PCB	1	PCS
C201	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C203	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C205	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C207	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C210	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C212	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C214	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C216	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C217	65G0603105 17	1UF 16V Y5V	1	PCS
C220	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C221	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C304	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS

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C305	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C306	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C307	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C308	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C309	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C310	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C311	65G0603330 31	CER1 0603 NP0 50V 33P P	1	PCS
C312	65G0603221 31	CER1 0603 NP0 50V 220P	1	PCS
C313	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C314	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C315	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C318	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C319	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C320	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C321	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C322	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C323	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C324	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C325	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C326	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C401	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C402	65G0603390 31	CHIP 39PF 50V NPO	1	PCS
C403	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C404	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C406	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C407	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C408	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C409	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C410	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C411	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C412	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C413	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C415	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C416	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C417	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C418	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C420	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C421	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS

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C423	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C425	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C426	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C428	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C510	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C601	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C602	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C604	65G0603270 31	27PF 50V NPO	1	PCS
C605	65G0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C606	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C607	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C608	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C609	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C610	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C611	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C612	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C613	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C617	65G0603101 32	100PF +-10% 50V X7R	1	PCS
C618	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C619	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C620	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C621	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
D201	93G1004 3	SS14	1	PCS
D202	93G1020 1 S	GS1D	1	PCS
D301	93G 6433P	BAV99 SOT-23	1	PCS
D302	93G 6433P	BAV99 SOT-23	1	PCS
D303	93G 6433P	BAV99 SOT-23	1	PCS
D304	93G 64 42 P	BAV70 SOT-23	1	PCS
D305	93G 64 42 P	BAV70 SOT-23	1	PCS
D306	93G 6433P	BAV99 SOT-23	1	PCS
D307	93G 6433P	BAV99 SOT-23	1	PCS
D308	93G 6433P	BAV99 SOT-23	1	PCS
D309	93G 6433P	BAV99 SOT-23	1	PCS
D310	93G 6433P	BAV99 SOT-23	1	PCS
D311	93G 6433P	BAV99 SOT-23	1	PCS
D312	93G 6433P	BAV99 SOT-23	1	PCS
D313	93G 6433P	BAV99 SOT-23	1	PCS
D314	93G 39147	TZMC5V6	1	PCS

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D315	93G 39147	TZMC5V6	1	PCS
D316	93G 39147	TZMC5V6	1	PCS
D317	93G 39S 39 T	MLL5234B	1	PCS
D318	93G 39147	TZMC5V6	1	PCS
D319	93G 39147	TZMC5V6	1	PCS
D320	93G 39147	TZMC5V6	1	PCS
D321	93G 39147	TZMC5V6	1	PCS
D322	93G 39147	TZMC5V6	1	PCS
D323	93G 39147	TZMC5V6	1	PCS
D324	93G 6433P	BAV99 SOT-23	1	PCS
D325	93G 39147	TZMC5V6	1	PCS
D601	93G 6432V	LL4148-GS08	1	PCS
FB201	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB301	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB302	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB303	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB304	71G 59B431	BK1608 HW 431	1	PCS
FB401	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB402	71G 56K121	CHIP BEAD	1	PCS
FB403	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB404	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB405	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB406	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB601	71G 56K121	CHIP BEAD	1	PCS
FB603	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
Q201	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q202	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q203	57G 763 1	A03401 SOT23 BY AOS(A1)	1	PCS
Q204	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q601	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q602	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q604	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q605	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R201	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R202	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R203	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R204	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R205	61L0603472	RST SM 0603 RC0603 4K7	1	PCS

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R207	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R208	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R209	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R211	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R212	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R215	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R301	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R302	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R303	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R304	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R305	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R306	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R307	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R308	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R309	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R310	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R311	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R312	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R313	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R314	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R315	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R316	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R317	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R318	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R319	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R320	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R321	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R323	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R324	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R325	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R326	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R327	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R331	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R332	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R335	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R336	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R341	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R342	61L0603101	RST SM 0603 RC0603 100R	1	PCS

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R343	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R344	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R345	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R346	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R347	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R348	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R349	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R350	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R402	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R403	61L0603390 0F	CHIP 390 OHM 1/10W 1%	1	PCS
R404	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R405	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R406	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R407	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R502	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R503	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R601	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R602	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R604	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R605	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R606	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R607	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R608	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R609	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R610	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R611	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R613	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R614	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R615	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R616	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R617	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R618	61L0603302	CHIPR 3K OHM +-5% 1/10W	1	PCS
R619	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R620	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R621	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R622	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R623	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R624	61L0603102	RST SM 0603 RC0603 1K P	1	PCS

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R625	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R626	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R627	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R636	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R639	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R640	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R641	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R644	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R645	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R646	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R647	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R651	61L0603912	CHIPR 9.1KOHM +-5% 1/10	1	PCS
R652	61L0603103	RST SM 0603 RC0603 10K	1	PCS
RN601	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
RN602	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
U201	56G 563 31	AI1117D-1.8-EI	1	PCS
U202	56G 563 7	AIC1084-33PM	1	PCS
U301	56G1133 34	M24C02-WMN6TP	1	PCS
U302	56G1133 34	M24C02-WMN6TP	1	PCS
U401	56G 562103	TSU56AWK-LF	1	PCS
U601	56G1125170HA1	W79E632	1	PCS
U602	56G1133 56	M24C16-WMN6TP	1	PCS
U603	56G 643 5A	MAX810 STRG	1	PCS
		KEPC980KUSAP		
	AIK980KUSAP	KEY BOARD FOR AI	1	PCS
CN001	33G8027 12 H	PIN HEADER 2*6 R/A	1	PCS
CN002	88G 30211K	PHONE JACK 5PIN	1	PCS
CN003	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
CN004	33G3802 2H	WAFER 2P RIGHT ANGLE	1	PCS
DP101	81G 12 2 GP	GP36032ME/50-ZO	1	PCS
SW001	77L 600 1GHJ	KEY SWITCH	1	PCS
SW002	77L 600 1GHJ	KEY SWITCH	1	PCS
SW003	77L 600 1GHJ	KEY SWITCH	1	PCS
SW004	77L 600 1GHJ	KEY SWITCH	1	PCS
SW005	77L 600 1GHJ	KEY SWITCH	1	PCS
	715G1820 B	PCB	1	PCS
R101	61G 60275052T	75OHM 5% 1/6W	1	PCS
R102	61G 60275052T	75OHM 5% 1/6W	1	PCS

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PWPC1942HSU3P				
	PW1942HSU3SMTP	POWER BOARD FOR SMT	1	PCS
	40G 45762420A	ID LABEL	1.03	PCS
	705L 560 61 06	R903 ASS'Y	1	PCS
	705L 780 57 51	Q901 ASS'Y	1	PCS
	705L 980 87 05	CN901 ASS'Y	1	PCS
	705L 980 93 04	D910/D911 ASS'Y	1	PCS
BD901	93G 50460 16	U4KB80R	1	PCS
C201	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C204	65G 3J1006ET	10PF,J,3KV,SL	1	PCS
C205	65G 3J5096ET	5PF 5% SL 3KV	1	PCS
C208	65G 3J1006ET	10PF,J,3KV,SL	1	PCS
C209	65G 3J5096ET	5PF 5% SL 3KV	1	PCS
C225	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C236	65G 3J1006ET	10PF,J,3KV,SL	1	PCS
C237	65G 3J5096ET	5PF 5% SL 3KV	1	PCS
C238	65G 3J1006ET	10PF,J,3KV,SL	1	PCS
C239	65G 3J5096ET	5PF 5% SL 3KV	1	PCS
C904	65G306M1022BP	1000PF Y1.CAP	1	PCS
C905	67G215S10115K	100UF 450V	1	PCS
C913	65G306M1022BP	1000PF Y1.CAP	1	PCS
C914	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C915	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C921	65G306M2222BP	2200PF +-20% 400VAC	1	PCS
C926	67G215S471 3K	EC 470UF 16V	1	PCS
C929	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
C930	67G215L102 3R	LOW E.S.R 1000UF +/-20%	1	PCS
CN201	33G8021 2D U	3.5mm WAFER	1	PCS
CN202	33G8021 2D U	3.5mm WAFER	1	PCS
CN204	33G8021 2D U	3.5mm WAFER	1	PCS
CN205	33G8021 2D U	3.5mm WAFER	1	PCS
CN301	88L 30220K	AUDIO IN JACK	1	PCS
CN304	95G8013 3 31	WIRE HARNESS	1	PCS
CN902	95G8021 12518	WIRE HARNESS	1	PCS
F901	84G 7H200 SL	250V/2A LIHEL FUSE	1	PCS
IC902	56G 139 3A	PC123Y22FZOF	1	PCS
L101	73G 253152 T	CHOKE COIL TDK LSHAOO3C	1	PCS
L902	73L 174 53 LG GP	CHOKE	1	PCS

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L903	73G 253 91 T	CHOKE	1	PCS
L904	73L 174 26T1G	LINE LILT 0.45MM	1	PCS
NR901	61G 58050 WT	NTC 5 OHM 5A	1	PCS
PT201	80LL17T 16DNG	TRANSFORMER	1	PCS
PT202	80LL17T 16DNG	TRANSFORMER	1	PCS
R914	61G152M398 64	0.39 OHM 2W	1	PCS
R917	61G 20747052T	47 OHM 1/2W	1	PCS
T901	80LL19T 6 LG	X'FMR	1	PCS
	PW1942HSU3AIP	POWER BOARD FOR AI	1	PCS
C103	61L0805000	CHIP O OHM 1/8W	1	PCS
C104	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C114	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C115	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C202	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C203	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C206	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C207	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C210	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C211	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C212	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C213	65G0805105 37	CHIP 1UF 50V Y5V	1	PCS
C214	65G0805473 22	SMD 47nf +-10%25V XTR	1	PCS
C215	65G0805152 22	CHIP 0.005UF 25V X7R 08	1	PCS
C216	65G0805332 32	3200PF/25V/X7R	1	PCS
C217	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C219	65G0805105 37	CHIP 1UF 50V Y5V	1	PCS
C220	65G0805221 21	220PF 25V 5%	1	PCS
C221	65G0805474 22	CHIP 0.47UF 25V X7R 080	1	PCS
C222	65G0805105 37	CHIP 1UF 50V Y5V	1	PCS
C226	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C228	65G0805682 32	CHIP 6.8UF 50V X7R 0805	1	PCS
C229	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C230	65G0805473 22	SMD 47nf +-10%25V XTR	1	PCS
C231	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C232	61L0805303	CHIP 30K OHM 1/8W	1	PCS
C233	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C234	65G1206225 17	1206 2.2UF -20%~+80% 16	1	PCS
C235	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS

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C240	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C241	65G0805152 22	CHIP 0.005UF 25V X7R 08	1	PCS
C242	65G0805332 32	3200PF/25V/X7R	1	PCS
C243	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C244	65G0805225 12	CHIP 2.2UF 15V X7R 0805	1	PCS
C245	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C246	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C247	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C265	65G1206105 32	CHIP 1UF 50V X7R 1206	1	PCS
C266	65G1206105 32	CHIP 1UF 50V X7R 1206	1	PCS
C267	65G1206105 32	CHIP 1UF 50V X7R 1206	1	PCS
C268	65G1206105 32	CHIP 1UF 50V X7R 1206	1	PCS
C908	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C909	65G0805471 21	CHIP 470PF 25V NPO	1	PCS
C910	65G0805102 31	1000PF 50V NPO	1	PCS
C911	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C912	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C917	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C918	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C920	65G0805104 32	CHIP 0.1U 50V X7R	1	PCS
C924	65G0805334 22	0.33UF+-10% 25V X7R 080	1	PCS
C931	65G0603102 31	CHIP 1000PF 50V NPO	1	PCS
D101	93G3004 2	SR34 PAN JIT	1	PCS
D201	93G 6433P	BAV99 SOT-23	1	PCS
D202	93G 6433P	BAV99 SOT-23	1	PCS
D203	93G 6433P	BAV99 SOT-23	1	PCS
D204	93G 6433P	BAV99 SOT-23	1	PCS
D205	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS
D206	93G 6433P	BAV99 SOT-23	1	PCS
D207	93G 6433P	BAV99 SOT-23	1	PCS
D208	93G 6432V	LL4148-GS08	1	PCS
D209	93G 6433P	BAV99 SOT-23	1	PCS
D210	93G 6433P	BAV99 SOT-23	1	PCS
D213	93G 6432V	LL4148-GS08	1	PCS
D903	93G 6432V	LL4148-GS08	1	PCS
F201	61L1206000 4	0 OHM 4A 1/4W	1	PCS
IC101	56G 379 37	FP5001DR	1	PCS
IC201	56G 608 7	OZT1060GN SOIC-20	1	PCS

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IC901	56G 379 33	SG6841SZ	1	PCS
Q101	57G 763 3	AO4411 SO-8	1	PCS
Q102	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q103	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q204	57G 60040A	AM4512C-T1-PF SO-8	1	PCS
Q205	57G 760 4B	PDTA144WK SOT346	1	PCS
Q206	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57G 760 5B	PDTC144WK SOT346	1	PCS
Q208	57G 60040A	AM4512C-T1-PF SO-8	1	PCS
Q209	57G 60040A	AM4512C-T1-PF SO-8	1	PCS
Q210	57G 60040A	AM4512C-T1-PF SO-8	1	PCS
Q211	57G 759 2	RK7002	1	PCS
Q212	57G 759 2	RK7002	1	PCS
Q213	57G 759 2	RK7002	1	PCS
Q214	57G 759 2	RK7002	1	PCS
Q215	57G 759 2	RK7002	1	PCS
Q902	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q903	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R106	61L0805333	CHIP 33KOHM 1% 1/8W	1	PCS
R108	61L0805473	CHIPR 47K OHM +-5% 1/8W	1	PCS
R109	61L0805302	CHIP 3KOHM+-5% 1/8W	1	PCS
R110	61L0805365 1F	SMD 3.65KOHM/0805/+-1%	1	PCS
R111	61L0805153	CHIPR 15K OHM+-5% 1/8W	1	PCS
R112	61L0805272	CHIP 2.7K OHM 1/8W	1	PCS
R113	61L0805470	CHIP 47 OHM 1/10W	1	PCS
R114	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R115	61L0805220	CHIP 22 OHM 5% 0805 1/8	1	PCS
R116	61L0805332	CHIP 3.3K OHM +-5% 1/8W	1	PCS
R201	61L0805222	CHIP 2.2KOHM 5% 0805 1/	1	PCS
R202	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS
R203	61L0805103	CHIPR 10K OHM +-5% 1/8W	1	PCS
R204	61L0805103	CHIPR 10K OHM +-5% 1/8W	1	PCS
R205	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R206	61L0805000	CHIP O OHM 1/8W	1	PCS
R207	61L0805103	CHIPR 10K OHM +-5% 1/8W	1	PCS
R209	61L0805220	CHIP 22 OHM 5% 0805 1/8	1	PCS
R210	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R212	61L0805153	CHIPR 15K OHM+-5% 1/8W	1	PCS

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R213	61L0805362	CHIP 306KOHM 1/8W	1	PCS
R214	61L0805000	CHIP O OHM 1/8W	1	PCS
R215	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R216	61L0805100 4F	CHIPR 1M OHM +-1% 1/8W	1	PCS
R217	61L0805623	CHIPR 62K OHM +-5% 1/8W	1	PCS
R218	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R220	61L0805220	CHIP 22 OHM 5% 0805 1/8	1	PCS
R222	61L0805513	CHIP 51KOHM 1/8W	1	PCS
R223	61L0805105	CHIP 1M OHM 5% 1/8W	1	PCS
R225	61L0805205	CHIP 2M OHM 5% 1/8W	1	PCS
R227	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R228	61L0805153	CHIPR 15K OHM+-5% 1/8W	1	PCS
R229	61L0805362	CHIP 306KOHM 1/8W	1	PCS
R230	61L0805000	CHIP O OHM 1/8W	1	PCS
R231	61L0805105	CHIP 1M OHM 5% 1/8W	1	PCS
R234	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R235	61L0805000	CHIP O OHM 1/8W	1	PCS
R236	61L0805823	chip 82kohm 1/8w	1	PCS
R238	61L0805105	CHIP 1M OHM 5% 1/8W	1	PCS
R239	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R240	61L0805000	CHIP O OHM 1/8W	1	PCS
R241	61L0805105	CHIP 1M OHM 5% 1/8W	1	PCS
R242	61L0805000	CHIP O OHM 1/8W	1	PCS
R243	61L0805105	CHIP 1M OHM 5% 1/8W	1	PCS
R244	61L1206471	CHIPR 470 OHM+-5% 1/4W	1	PCS
R245	61L0805155	CHIP 1.5M OHM 5% 1/8W	1	PCS
R246	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R247	61L0805431	CHIP 430OHM 5% 0805 1/8	1	PCS
R248	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R900	61L1206394	CHIPR 390KOHM+-5% 1/4W	1	PCS
R901	61L1206394	CHIPR 390KOHM+-5% 1/4W	1	PCS
R902	61L1206394	CHIPR 390KOHM+-5% 1/4W	1	PCS
R904	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R905	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R906	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R907	61L1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R908	61L1206519	CHIPR 5.1OHM +-5% 1/4W	1	PCS
R909	61L0805100	CHIPR 10 OHM+-5% 1/8W	1	PCS

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R910	61L1206221	CHIP 220 OHM 1/4W	1	PCS
R911	61L0805240 2F	CHIP 24KOHM 1% 1/8W	1	PCS
R912	61L0805203	CHIPR 20KOHM +-5% 1/8W	1	PCS
R913	61L1206203	20K OHM 5% 1/4W	1	PCS
R915	61L1206303	CHIP 30K OHM 1% 1/4W	1	PCS
R916	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R918	61L0805472	CHIRP 4.7K OHM +-5% 1/8	1	PCS
R919	61L1206000	RST SM 1206 JUMP MAX 0R	1	PCS
R921	61L1206301	CHIP 300OHM 1/4W	1	PCS
R922	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R923	61L0805000	CHIP O OHM 1/8W	1	PCS
R924	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R925	61L0805000	CHIP O OHM 1/8W	1	PCS
R926	61L0805931 1F	CHIP 9.31K OHM 1/8W 1%	1	PCS
R927	61L0805243 1F	CHIP 2.43K OHM 1/8W 1%	1	PCS
R928	61L0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R929	61L1206101	CHIP 100 OHM 5% 1/4W	1	PCS
ZD201	93G 39S 24 T	RLZ 5.6B LLDS	1	PCS
ZD202	93G 39S 24 T	RLZ 5.6B LLDS	1	PCS
ZD203	93G 39S 24 T	RLZ 5.6B LLDS	1	PCS
ZD901	93G 39S 20 T	RLZ22B LLDS	1	PCS
ZD902	93G 39S 17 T	RLZ12B LLDS	1	PCS
	715G1349 2	PCB	1	PCS
C905	6G 31502	1.5MM RIVET	2	PCS
C906	65G 2K152 1T6921	1.5NF/2KV Y5P +-10%	1	PCS
C925	65G517K102 5T	1000PF 10% Y5P 500V	1	PCS
D901	93G 6026W52T	FR107	1	PCS
D902	93G 6038P52T	PS102R	1	PCS
D904	93G 64 1152T	1N4148	1	PCS
F901	6G 31502	1.5MM RIVET	2	PCS
FB901	71G 55 29	FERRITE BEAD	1	PCS
IC903	56G 158 4 T	H431BA	1	PCS
JP204	71G 55 19 T	FERRITE BEAD D9X3. 5X0.	1	PCS
L902	6G 31502	1.5MM RIVET	4	PCS
L904	6G 31502	1.5MM RIVET	4	PCS
NR901	6G 31502	1.5MM RIVET	2	PCS
PT201	6G 31502	1.5MM RIVET	2	PCS
PT202	6G 31502	1.5MM RIVET	2	PCS

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Q901	6G 31502	1.5MM RIVET	1	PCS
R208	61G212Y305 KT	MGFR 3M OHM +-5% 1/2W	1	PCS
R224	61G212Y305 KT	MGFR 3M OHM +-5% 1/2W	1	PCS
T901	6G 31502	1.5MM RIVET	4	PCS
	96G 29 6	SHRINK TUBE UL/CSA	20	MM
R903	61G152M10458F	100K OHM 5% 2W	1	PCS
	90G 415505	HEATSHINK	1	PCS
	M1G1730 8128	SCREW M3x8	1	PCS
Q901	57G 600 35	STP8NK80ZFP	1	PCS
	87G 501 12 CJ	AC SOCKET	1	PCS
	95G 900 43	SIGNAL CABLE	1	PCS
	96G 29 6	SHRINK TUBE UL/CSA	1	PCS
	90G6081 1	HEATSHINK FOR U301	1	PCS
	M1G1730 8128	SCREW M3x8	2	PCS
D910	93G 60242	SRF20150C T0-220	1	PCS
D911	93G 60242	SRF20150C T0-220	1	PCS

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